

OWNER'S MANUAL

ORIGINAL DR. MÜLLER HIGH PERFORMANCE TANNING EQUIPMENT

I C O N



ADVANCED UV LIGHT GMBH • RUHRTALSTRASSE 85-93 • D-45239 ESSEN

Phone: ++ 49 201 8 49 12 – 10

FAX: ++ 49 201 8 49 12 – 55

e-mail: info@auvl.de

www.auvl.de/ www.drmueller.de

FUTURE INDUSTRIES, ORIGINAL DR. MÜLLER • 135 RESEARCH DRIVE • MILFORD, CT 06460

Phone: (203) 878-2300

(800) 376-8537

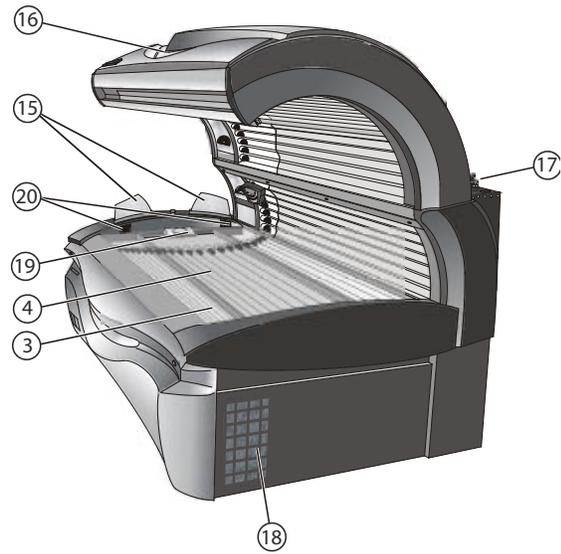
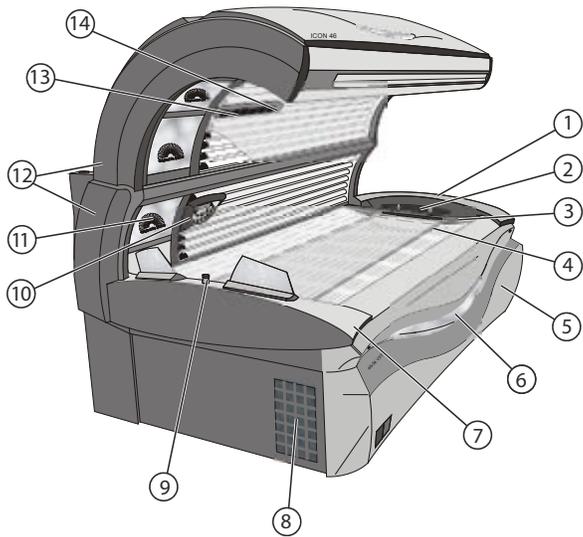
Fax: (203) 878-6424

e-mail: futuremail@futureindustries.com

www.futureindustries.com / www.auvl.com



General View

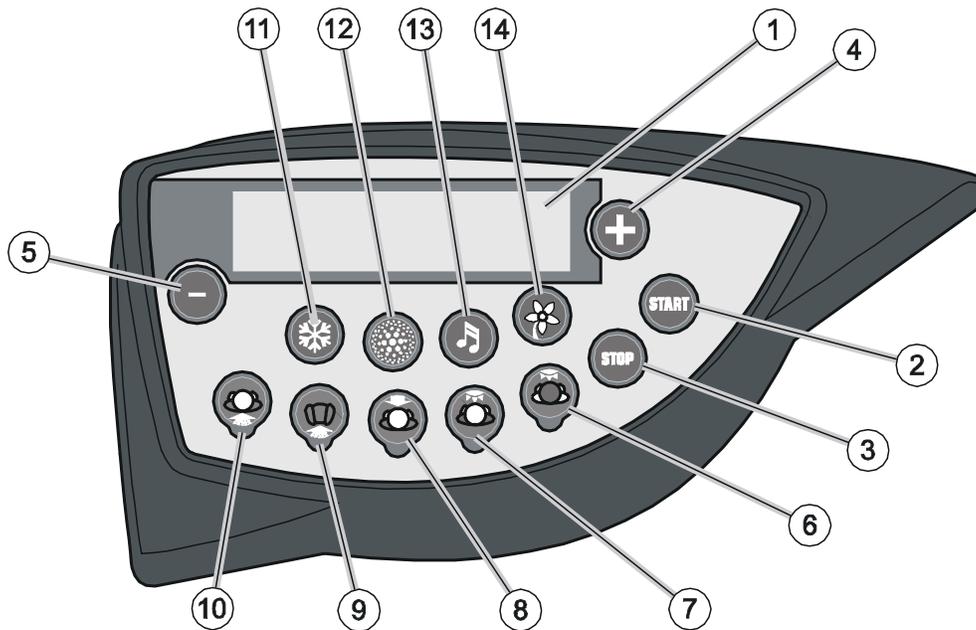


- 1** Side cover, footend
- 2** Air exit "body cooling footend"
- 3** Sunbed acrylic
- 4** AC Acrylic
- 5** Front cover
- 6** Acrylic insert with backlighting in front cover
- 7** Side cover, headend
- 8** Fresh air entry, headend
- 9** Emergency stop button
- 10** Control panel

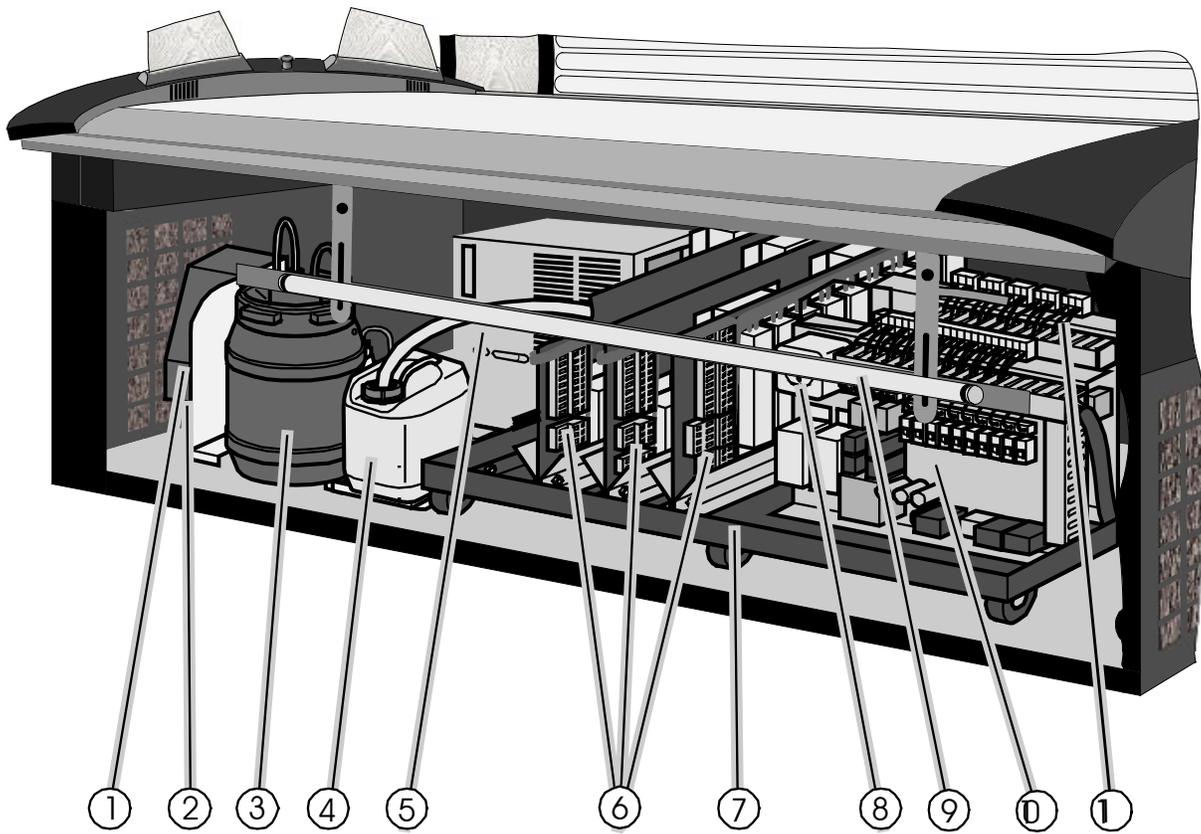
- 11** Facials
- 12** Cover for column and top
- 13** Air exit "body cooling top"
- 14** Nozzle "SunFresh"
- 15** Passive shoulder tanners
- 16** Backlighting in top canopy
- 17** "SunFresh" hose
- 18** Fresh air entry, footend
- 19** Headrest
- 20** Loudspeakers



- 1 Exhaust air stack
- 2 Heat recycling system (optional)
- 3 Entry stud for mains supply cable with threaded gland
- 4 Entry stud for supply cables with threaded gland for timer device and loudspeakers
- 5 Type label, technical notices



- | | | |
|----|-----------------------------------|---|
| 1 | Display | Display shows accrued session time, information on operational status of the unit and error messages |
| 2 | Button "START" | Function can be modified in the operator menu
OEM standard: unit starts when external timer device is activated |
| 3 | Button "STOP" | Function can be modified in the operator menue |
| 4 | Button "+" | OEM standard: Stop button is deactivated
After preselected option, this button <ul style="list-style-type: none"> ▪ increases the intensity of the facials ▪ increases the intensity of the body cooling ▪ increases the music volume ▪ re-starts facials and AC-unit ▪ starts SunHaze aroma system |
| 5 | Button "-" | After preselected option, this button <ul style="list-style-type: none"> ▪ reduces the intensity of the facials ▪ reduces the intensity of the body cooling ▪ reduces the music volume ▪ stops the facials or the AC-unit ▪ stops the SunHaze aroma system |
| 6 | Button "Active shoulder tanner" | Not available for ICON 46 |
| 7 | Button "Facials" | Preselects option for intensity control of facials |
| 8 | Button "Body cooling top" | Preselects option for intensity control of body cooling top |
| 9 | Button "Body cooling sunbed" | Preselects option for intensity control of body cooling footend |
| 10 | Button "Add. fan shoulder tanner" | Not available for ICON 46 |
| 11 | Button "AC-unit" | Preselects option for AC unit ON/OFF |
| 12 | Button "SunFresh" | Starts SunFresh system. Sprays once after activation. |
| 13 | Button "Music" | Preselects option for volume control |
| 14 | Button "SunHaze-Aroma" | SunHaze aroma system ON/OFF |



- 1 SunHaze aroma system (optional)
- 2 Cartridge for SunHaze aroma system (optional)
- 3 SunFresh container(optional)
- 4 Condensation water container (optional)
- 5 AC unit (optional)
- 6 Ballast Tray inserts
- 7 Ballast tray with electrical components
- 8 Power supply for SunFresh purification system
- 9 Backlighting lamp front cover plate
- 10 Main PCB (Power Control Board with CPU)
- 11 Elec. Connection terminals and contact strip

Foreword

This manual helps you to operate and use the high-performance sunbed ICON46, herein referred to as *the unit* or *the sunbed*, in a safe and proper way.

This manual is addressed to:

- service personnel,
- trained and qualified salon personnel and
- end-users

Every person who

- transports,
- assembles,
- starts,
- operates,
- controls,
- maintains,
- cleans,
- disassembles,
- stores or
- disposes of

this unit, must make sure that this manual has been read and its contents is fully understood. Keep this manual conveniently close to the sunbed for future reference.

Description

The **ICON46** is a high-performance sunbed exclusively designed for use in professional tanning salons. The design is laid out for heavy use in a busy tanning salon.

The equipment was made for tanning performance, functionality and reliability. The ICON 46 is equipped with a total of 46 x 71 inch lamps and 4 high intensity facials.

The filters and reflectors used for the facials have been treated with a proprietary coating. The special coating has the following functions:

- transmission of the tanning-effective UV radiation.
- filtering of infrared radiation (heat) which is conveyed back into the unit

This technology and the integrated design of filter, reflector and lamp technology result in very intensive tanning power for the face and upper body region.

When designing the body cooling system, the target was increased customer comfort and a comfortable tanning climate. The ICON 46 can also be equipped with an AC unit.

The control panel allows the user to select several options during a tanning session

- AC unit (optional)
- body Cooling
- the intensity of the facials (in 2 steps)
- music volume
- the SunHaze aroma system (optional)
- the SunFresh system (optional)

The display shows accrued session time.

In the operator menu several set-ups for service and maintenance options can be selected. The operator menu can be entered by a special access code.

The Icon46 can be equipped with the following optional features:

- The SunHaze aroma system
 - The SunHaze aroma system blows aromatized air into the tanning tunnel and ousts the typical tanning odor.
- The SunFresh system
 - With the SunFresh system a finely vaporized watermist is sprayed onto the upper body area during a tanning session
- Built-in loudspeakers
- AC-unit
incl. condensation water container and pump
- A heat-recycling system to connect to the on-site salon ventilation system

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Important Notices

In this chapter you will find instructions on:

- the proper and improper use of the sunbed
- the responsibilities of the owner/operator
- general and specific risks.

These instructions must be diligently observed in any use of the high-performance sunbed ICON46.

Read the manual carefully prior to first installing and operating the sunbed.

The owner/operator is responsible for all safety instructions to be taken care of, understood and observed.

Standardized features

This manual uses the following features and symbols:

Typographic features and symbols

Words and phrases in bold type refer to terms you may find on labels attached to the unit or used as standard terms in this manual.

Italic type is used for references to other chapters of interest.

The following symbols are used

- ⇒ refers to steps of action.
- is used for detailed lists

Notices, recommendations



NOTICE:

Refers to recommendations and other useful information.

It is not used as a signal word for situations with an increased risk of injury or damage.

Warning

Warning notices about potentially dangerous situations with an increased risk of injury or damage are signified by the signal words: WARNING – CAUTION – ATTENTION. Additional information indicates the degree and severity of the potential danger incurred.

The following list details the signal words and bold terms used to describe a situation which is potentially or eventually dangerous.



WARNING!

Describes a dangerous situation.

If not avoided, this situation can result in fatal injury or severe damage

**CAUTION!**

Describes a situation which is potentially dangerous.

If not avoided, this situation can result in severe or light injuries.

This signal word can also be used for possible damages to goods and property.

**ATTENTION!**

Describes a potentially damaging situation.

If not avoided, this situation can result in damage to the equipment, goods or property.

Responsibilities of the Operator

This manual is part of the equipment. It is the operator's responsibility to provide this manual to the new owner when the equipment is sold or transferred to a new location.



Notice:

Please inform Advanced UV Light (or your authorized distributor) immediately about the name, address and phone or fax number of the new owner.

This allows us to provide – if necessary – important information on necessary safety or maintenance procedures to the new owner.

As operator/owner of the equipment you are responsible for:

- easy access to this manual at the place of operation.
- availability of the following documents for all jobs concerning transport, assembly, maintenance, operation and cleaning of the equipment
 - this manual
 - all applicable standards and regulations concerning the safety of the workplace
 - all other applicable standards at place of operation.
 - As operator/owner of the equipment you must guarantee that
- all safety instructions are observed.
- only qualified and authorized service personnel
 - assembles the unit and performs the initial start-up
 - operates, maintains and cleans the unit.
- Prior to and during a tanning session, the operator/owner or a person acting in his charge has to make sure:
 - that proper use of the equipment is guaranteed
 - that all applicable safety standards are observed.
- The end-user must be introduced to all relevant functions of the unit and the Emergency Stop button and its function must be explained.

Proper Use

The high-performance sunbed Icon46 is exclusively designed for cosmetic tanning applications for healthy adult persons whose skins is suitable for tanning.

The following persons are **not** allowed to use this sunbed:

- persons under 18 years of age
- persons with skin type 1
- persons with increased sensitivity to UV light,
- persons with allergies to UV-light
- persons with (skin) diseases with a contraindication of UV-light exposure (when in doubt ask your physisian or dermatologist)
- persons with a history of coronary or circulatory problems
- persons with other unspecified health problems (when in doubt, ask your physician or dermatologist)
- with a pace-maker
- with transplants
- under medication with a contraindication of UV-light exposure.

Proper use also includes:

- to follow instructions provided in this manual
- to observe recommended exposure times.
- Always to wear protective eye-wear during a tanning session. .
- to operate this sunbed only in professional tanning, fitness or beauty salons under the supervision of trained and authorized salon personnel.
- to observe all information provided in this manual and explicitly of all safety instructions.
- to observe all applicable federal, state and local standards and regulations concerning the safety and use of indoor tanning equipment.
- to use only replacement parts and lamps as released by Advanced UV Light for the use in this sunbed.
- to employ only personnel trained and instructed in the use of this sunbed to operate and control this sunbed.
- to oberve all applicable federal, state and local standards concerning electrical installations.

Every other use is considered as improper and can result in damages to goods or personal injuries.

Advanced UV Light GmbH is not responsible for any damages or injuries caused by improper use of this sunbed.

Improper Use

Improper and unsuitable use includes:

- Every other use of the unit not explicitly listed as proper use.
- Use of this sunbed by:
 - persons under 18 years of age
 - persons with skin type 1
 - persons with increased sensitivity to UV light
 - persons with allergies to UV light
 - persons with (skin) diseases with a contraindication of UV light exposure
 - persons with a history of coronary and circulatory problems
 - persons with unspecified health problems
 - persons with a pace-maker
 - persons with a transplants
 - under medication with a contraindication to UV light exposure.
- Disregard of recommended exposure times
- Refusing to wear protective eye wear during a tanning session

For damages to goods and personal injuries resulting out of improper and unsuitable use Advanced UV Light GmbH is not responsible.

Basic Safety Instructions

- Observe all safety instructions attached to the equipment and provided in this manual.
- Take care that only trained and authorized personnel handles this sunbed.
- Only trained and authorized personnel is allowed to transport, assemble, start and disassemble this unit. Authorized and trained personnel is limited to:
 - service staff of Advanced UV Light or its authorized distributors
 - electrical personnel who due to their expertise and training have the necessary know-how for proper handling and the necessary knowledge of related risks.
- Avoid all actions which may contain a safety risk.
- Prior to performing any of the jobs listed below, the unit must be completely cooled down and disconnected from the mains supply:
 - transport
 - disassembly
 - maintenance jobs
 - cleaning of UV lamps
 - cleaning of HID lamps

Electrical connection

The following conditions must be fulfilled at the site of installation for fault-free operation of the unit:

- wire gauge of mains supply cable and fusage must comply with technical data
- installation of a mains supply disconnection switch
- installation of an FI-protective switch
- installation of a time-controlled device which shuts off the unit after 30 minutes (automatic safety switch off)
- disconnection of the unit from the mains supply and secured against reconnection with lock and key whenever performing any of the following jobs:
 - repair work
 - maintenance
 - cleaning of UV lamps
 - cleaning of HID lamps
- no liquids enter into the sunbed.
If any liquids have entered the sunbed
 - disconnect the unit immediately from the mains supply and secure with lock and key against reconnection.
 - have the unit checked by certified electrical service personnel prior to restarting the unit.

Safety Features

- Operate the unit only
 - when in fault-free technical condition
 - with all safety and protective features installed and fully operable.
- replace all damaged or faded Warning and Notice labels attached to the unit immediately.

Site of installation

- Install the unit in a dry, well-ventilated room.
- Within close proximity of the sunbed
 - do not store potentially explosive materials or containers , for instance, spray cans.
 - smoking and open fire is prohibited.
- Do not expose materials which tend to fade or get damaged when exposed to UV light to the radiation emitted from this product.

Safety Instructions for Operation

- Prior to each use of the sunbed, make sure that all controls are set up correctly and all safety features are installed, for instance:
 - sunbed acrylic
 - top canopy acrylic
 - facial filters
 - exhaust air disposal
- Do not block air entries or ventilation openings. Risk of heat damage!
- Before and after each use of the sunbed, check unit for visible outer damage or defects and remove immediately.
- Any defects which might affect the safe operation of this unit must be communicated to the operator or the person in charge immediately. Use sunbed only after all defects have been corrected.

Safety Instructions for transport

- Use only suitable and technically fault-free lifting and carrying devices adequate to the load!
- Do not stay close to or work below moving load!
- Observe all standards and regulations for the prevention of accidents at the workplace.
- Transport dollies must be blocked and marked to prevent injuries caused by transportation vehicles or the load.

Safety Instructions for Cleaning

- Prior to each use of the sunbed, clean and disinfect the unit.
- Use only acrylic cleaner recommended acrylic manufacturers.
Never use abrasive or corrosive cleaning solutions.

Safety Instructions for Maintenance

- All maintenance instructions and intervals must be diligently observed.
- Use only replacement parts as recommended by Advanced UV Light GmbH.

Safety Instructions for Users

Inform users of the sunbed about the following safety instructions or make them available to users in printed form:

- UV-light can cause severe damage to your skin and your eyes!
- Children and young adolescents are not allowed to use a sunbed.
- Persons with very light skin, many freckles, fair to reddish hair and light eyes and nipples are not allowed to use a sunbed.
- Always wear protective eye-wear during a tanning session and close your eyes.
- Remove contact lenses prior to a tanning session.
- Remove make-up or any cosmetics well in advance of a tanning session. Cosmetics may have unwelcome side effects and can cause adverse skin reactions.
- Take only one (1) tanning session per day.
- For the first two sessions observe an interval of 48 hours.
- For the following sessions, observe an interval of minimum 24 hours between sessions.
- After a tanning session, do not tan in the natural sun on the same day.
- Stop exposure immediately when you notice physical symptoms or adverse skin reactions. If the symptoms do not disappear after a short time, consult a dermatologist.
- Do not use drugs which promise to tan the skin without UV-light exposure in combination with a tanning session. This combination may increase the risk of a sunburn.
- Do not use any self-tanning creams or lotions. These products may contain ingredients which can increase the effects of UV-light exposure in an unforeseen and unwelcome way.
- Do not use any creams or lotions with a sunscreen designed for outdoor tanning. These products may contain substances which can influence the effects of artificial UV light exposure in an unwelcome way. Use only products designed specifically for indoor tanning.
- Immoderate tanning results in overexposure. If skin shows signs of blisters or sores or shows symptoms of irritation, consult physician or dermatologist immediately.
- Overexposure to UV-light emitted by either the sun or indoor tanning equipment can cause premature aging of the skin and increase the risk of skin cancer.
- The unprotected eye can catch conjunctivitis and in some cases overexposure can seriously damage the retina. Repeated exposures increase the risk of cataracts.

Emergency Stop Button

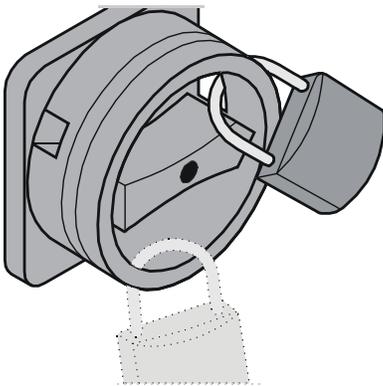


In an emergency situation the sunbed can be switched off with the Emergency Stop Button. UV-radiation stops immediately. The main cooling turns off after a certain delay time (after-cooling time).

- ⇒ Push the Emergency Stop Button
 - The unit stops, UV-radiation ceases immediately.
- ⇒ Lift the top canopy and leave the sunbed.
- ⇒ Inform operator of the sunbed that Emergency Stop Button has been activated

Safety Features

Mains disconnection switch



The mains disconnection switch must be installed on the site. During breaks of operation and after hours the mains supply must be disconnected with the mains disconnection switch. The mains disconnection switch must be secured against accidental activation.

The drawing shows a sample of a mains disconnection switch with lock and key.

Disconnection of mains supply

- ⇒ Turn the mains disconnection switch into position “O”
 - The mains supply is disconnected

Secure mains disconnection switch against accidental reconnection

- ⇒ Put the lock into the opening of the switch.
- ⇒ Close the lock

Reconnecting the mains supply

- ⇒ Open the lock and remove
- ⇒ Turn the mains disconnection switch into position “I”.
 - The mains supply is reconnected

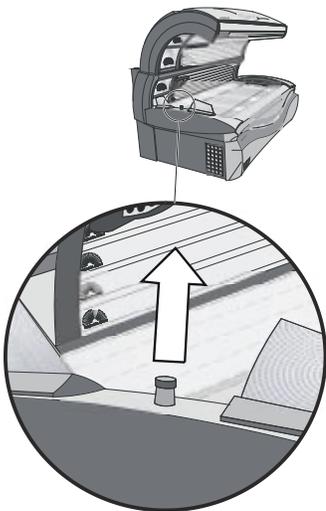
Use of Emergency Stop Button



In an emergency situation the unit can be stopped immediately by pushing the red Emergency Stop Button. The UV-radiation stops immediately. The main cooling stops after a certain delay time (after cooling time.)

⇒ Push the Emergency Stop Button.

- The unit stops. UV-radiation ceases immediately.
- The Emergency Stop Button snaps in when activated.



To restart the unit , the Emergency Stop Button must be unlocked:

- If any unit-related defect has caused the Emergency Stop Button to be activated, make sure this defect has been corrected.
- Unlock the Emergency Stop Button
- Acknowledge corresponding error message in the control panel in order to delete the message.

Unlocking the Emergency Stop Button

⇒ To unlock the Emergency Stop Button, pull the red button upwards.

- The Emergency Stop Button is unlocked.

Safety Switches

To protect the user and the equipment all safety features relevant to the safe operation of the unit are controlled by microswitches. As soon as one of these switches is activated or released, the unit shuts off as in accordance with the set-up in the electronic control system.

The following features are controlled by safety switches:

- Facial filters, (4) for installation, breakage or other damage
 - the unit shuts off
 - after cooling time starts. The main fan runs for about 3 minutes until after cooling time has expired. Error Code E02 is shown in the display.
- Sunbed acrylic, for installation and proper fit
 - the unit shuts off.
 - after cooling time starts. The main fan runs for about 3 minutes until after cooling time has expired.
 - Error code E03 is shown in the display.
- Main fan per wind-flag switch for installation and functioning
 - the unit shuts off.
 - after cooling time starts. The main fan runs for about 3 minutes until after cooling time has expired. Error code E01 is shown in the display.
- Control Panel/Display, for installation and correct communication with main PCB.
 - The unit shuts off
 - Error code E08 is shown in the display.

In all cases an error code is shown in the display to indicate the defect. For further information on these error messages, please see the chapter *Error Codes*



NOTICE:

After the defect has been remedied, the error code switches from the initial letter "E" to the letter "H" accompanied by the same number.

For instance, from E03 to H03.

These error messages must be acknowledged in order to delete the message and to re-start the unit.

Acknowledging error codes.

After the cause for the error has been removed, the error must be acknowledged/confirmed in order to be deleted..

- ⇒ To acknowledge the error, push the "+" button.
 - The error message is deleted

Automatic shut-off device

In compliance with current European legal standards for the protection of the end-user, the unit is equipped with an automatic shut off device which turns off the unit automatically after 30 minutes of continuous operation.

This 30 minutes automatic shut off device is also installed in all units sold outside the EU in addition to other applicable local/national standards which regulate maximum exposure times.

Delivery

- ⇒ On delivery, check the unit and the contents of all boxes for transport damage.
- ⇒ In case of transport damage, inform forwarder immediately.
- ⇒ Check shipment for completeness.
- ⇒ Dispose of packing material in compliance with applicable environmental standards.

Delivery

The shipment consists of five (5) boxes packed onto two (2) pallets. The boxes are numbered 1 to 5 and contain the following components:

- Box 1
 - black coverings for the top canopy
 - front cover
 - top canopy acrylic
 - rear column acrylic
 - AC acrylic
- Box 2
 - black coverings for headend and footend
 - shoulder-tanner
 - endcaps for top canopy and rear plate
- Box 3
 - ballast tray inserts
- Box 4
 - exhaust air stack
- Box 5
 - bench and sunbed construction
 - box with protective eye-wear, headrest, adapter cable for connection of MP3 player or CD player and this manual.

The box with accessories shipped within the sunbed on the ballast tray, contains the following items:

- 1 4 adjusting screws
- 2 4 screws for assembling the exhaust air stack

The following components are optional:

- SunFresh (Watermist) system
- SunHaze aroma system
- Air conditioning unit with AC-pump and condensation water container.

Dimensions	Length	94"
	Depth	58"
	Height, top canopy closed	54"
	Height, top canopy open	70"
	Entry level	24"
Weight	Cpl. unit without AC	885 lbs.
	Sunbed	265 lbs.
	Top canopy	310 lbs.
	Ballast tray	310 lbs.
	AC unit (optional)	25 lbs.
Lamp configuration (Standard Version)	Top canopy	19 x 71" "Original Dr. Müller" low-pressure lamps (160 W reflector lamps)
	Side column	8 x 71" "Original Dr. Müller" low-pressure lamps (160 W reflector lamps)
	Sunbed	19 x 71" "Original Dr. Müller" low-pressure lamps (160 W reflector lamps)
	Facials	4 x "Original Dr. Müller" high-pressure lamps (650 W adjustable)
Air volume and fresh air supply on the site	Required opening for fresh air entry on the site	diameter 12"
	Exhaust air volume	1300 CFM
	Main exhaust air stack	diameter 12", length max. 12'
Electrical connection (only for EU standard versions)	Voltage	240 V / 50 Hz / 3 ph NPE
	Power intake without AC unit	46 amps
	Power intake with AC unit	52 amps
	Fusage on the site	60 amp 3 phase
	Required supply cable gauge for flexible cable Europa HO5VV-F	6 guage - 3 hot + 1 ground
Technical requirements at site of installation		
Room size for operation and maintenance		9' x 9'
Floor, level, load capacity		365 lbs. psqf.
Ambient temperature		+50 °F through +86 °F
Relative humidity		max. 65%

On delivery the unit is fixed to a pallet. Additional components are delivered in separate boxes.



NOTICE:

Four (4) persons are necessary to transport and assemble the unit at the site of installation.

Only trained and authorized service personnel is allowed to perform transport of the unit. to the site of installation.

Observe instructions provided by the manufacturer of the transport vehicle.



WARNING

Risk of bruises by falling load during transport.

Due to its heavy weight, sunbed components can cause serious bruises by falling or toppling load during transport.

Wear safety shoes!



CAUTION!

Risk of injuries by moving load during transport.

There is a risk of injuries caused by the load or the transport vehicle. Block transportation alleys in such a way that risk of injuries caused by the transport vehicle or the moving load is avoided.



WARNING!

Serious injuries caused by toppling load during transport.

There is a risk of serious or fatal injuries caused by toppling load.

Do not stay below moving load.

Use only lifting devices suitable for the load.

Transport with fork-lift or lift-truck

Transport of unit on pallet.

- ⇒ Push the forks carefully into the pallet openings.
- ⇒ Lift the load carefully for a few centimeters.
- ⇒ Drive the load carefully and cautiously as close to the site of installation as possible.



CAUTION!

Toppling Load!

Risk of personal injuries and damages.

The heavy load can cause serious personal injuries and damages to goods when toppling down.

When picking up the load, take care that the weight is well balanced!

Observe

- instructions on operation and handling of the lifting device.
- applicable instructions on the prevention of accidents during transport jobs.

Drive carefully and cautiously to the site of installation.

Transport with dolly

- ⇒ Four persons lift a single box onto the dolly.
- ⇒ Move the load carefully to the site of installation.
- ⇒ Four persons lift the box off the dolly.



Attention!

Risk of accidents!

Danger of personal injuries and damages.

Store the boxes in such a way, that there is still sufficient space for :

- handling the packing material
and
- storage of all components required for installation.

- ⇒ Follow the same procedure to move all boxes to the site of installation.



WARNING!

Risks caused by incorrect assembly

Incorrectly performed assembly and installation work can cause serious and fatal injuries.

Only trained and authorized service personnel or qualified electricians are allowed to perform assembly and installation work.



ATTENTION!

Do not damage components.

Take care that you

- do not kick at components,
- do not damage components,
- do not scratch surfaces.

The unit is subject to a final testing procedure in the factory. After the final testing the unit is disassembled for transportation and packed into transport boxes.

The top and sunbed construction is fixed to a pallet and then packed into a heavy-duty cardboard box, fit to carry two additional boxes with components on top. The remaining boxes are fixed to a second pallet.

For assembly at the site of installation, all components must be conveyed to the site of installation where they are unpacked and stored for further use.

The top and sunbed construction must be disassembled in order to transport the single components to the site of installation where they are reassembled – unless there is enough space to move the complete pallet to the site of installation.



NOTICE:

For transportation to the site of installation and disassembly and assembly work four (4) adult and able persons are needed.

For assembly and disassembly of the unit, you need the following tools:

- torque spanner T 40
- allen key, 6 mm
- set of wrench sockets
- philips screwdrivers (small, medium and large)
- flat screwdriver (small, medium and large)

Unpacking the unit and accessories



CAUTION!

Heavy load, risk of injuries

Carrying the heavy components of the sunbed can cause overstrain and lead to health risks.

Always carry the heavy components with four (4) persons.

- ⇒ Move the unit on the pallet to the site of installation. Observe instructions provided in the chapter *Transport*.
- ⇒ Remove the stretch tape.
 - Cut stretch tape on the sides.
- ⇒ Lift the two boxes loaded on top of the box. Store boxes for further use.
- ⇒ Remove the cardboard panels on the sides
 - Loosen and remove the clips on the cardboard panels.
 - Remove the cardboard panels
 - Store cardboard panels in such a way that they don't hinder further assembly work.
- ⇒ Remove loose packing material.
- ⇒ Take out the boxes with accessories inside the sunbed.
 - Store boxes in such a way that they don't hinder further assembly work.
- ⇒ The box which contains the manual is marked. Take out the manual.
- ⇒ Remove loose packing material and foils.
 - Collect packing material for disposal in compliance with applicable environmental standards.
- ⇒ Do not remove the protective foil for the time being in order to prevent damages and scratches.
- ⇒ Remove the wooden boards.
 - Loosen the wooden top board
 - Remove the wooden top board
 - Loosen the wooden boards on the sides.
 - Remove the wooden boards on the sides.
 - Store the wooden boards in such a way that they don't hinder further assembly work.
- ⇒ For the time being, allow the sunbed to remain on the pallet.

Disassembly

Due to the dimension and weight of the unit it is rarely possible to move the assembled unit to the place of installation

The **ICON46** can be disassembled into components which can be easily handled and reassembled:

- top canopy
- sunbed bench
- head- and footend construction
- ground plate
- rear column

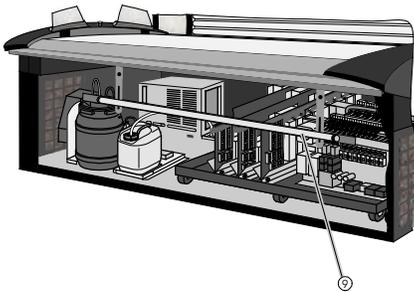
Opening the top canopy

For transport purposes the top canopy is fixed in a closed position. The top canopy hinges are therefore fixed with a screw to the rear column. The screws are at the head - and at the footend side.

Before the top canopy can be opened, these screws must be removed.

- ⇒ At the front, push the top canopy down and hold down.
- ⇒ Remove the screws
 - at the headend side
 - at the footend side
- ⇒ Keep the screws for further use.
- ⇒ Open the top canopy

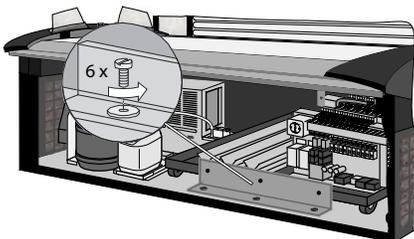
Disassembly of backlighting lamp in the sunbed front



The backlighting lamp (9) is fixed to two holding plates. These plates are screwed with two thumb screws to the sunbed construction.

- ⇒ Unplug the supply cable
- ⇒ Loosen the thumb screws and remove.
- ⇒ Disassemble the backlighting lamp and store in a safe place for further use.

Disassembly of electric ballast tray



The electric ballast tray is positioned at the footend side below the sunbed bench.

The ballast tray is equipped with wheels and can be moved forwards and backwards.

For transport purposes the electric ballast tray is fixed with brackets to the ground plate.

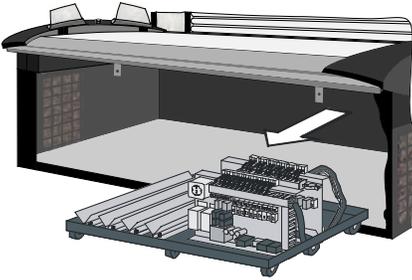
- ⇒ Loosen the six screws which hold the bracket and remove.



CAUTION!

Risk of bruises for hands and feet.

Carry the electric ballast tray with two persons to prevent it from falling from the pallet.



- ⇒ Pull the electric ballast tray carefully forward.
- ⇒ Unplug all connection cables and take care that cables do not get pinched when moving the ballast tray .
- ⇒ Two (2) strong persons take out the ballast tray and carry it to the site of installation.

Disassembly of sunbed acrylic



At the front and rear side, across its whole length, the sunbed acrylic sits in a profile groove. Two sash locks secure the acrylic against unauthorized opening. The sash locks are turned by an Allan key (6 mm). A safety switch controls the installation and position of the sunbed acrylic.

Two (2) persons are needed to remove the sunbed acrylic.

- ⇒ Open the the two sah locks:
Turn clockwise by 90° .
- ⇒ The acrylic can now be pushed backwards out of the front groove.
 - The safety switch below the acrylic lifts it a bit upwards for easier handling.
- ⇒ Lift the acrylic in the front and pull it out of the rear groove.



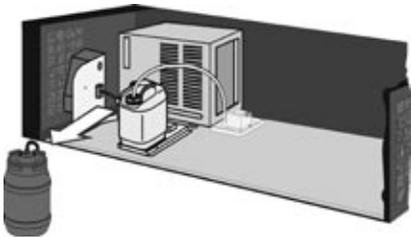
- ⇒ Take the sunbed acrylic out, carry it to the site of installation and store safely for further use.

Disassembly of sunbed bench

The rear side of the sunbed bench is fixed lengthwise by the rear column. The sunbed bench sits about 4" deep in the column support. At the sides, the sunbed bench is fixed to the head- and footend construction. There are two screws at the headend and two screws at the footend.

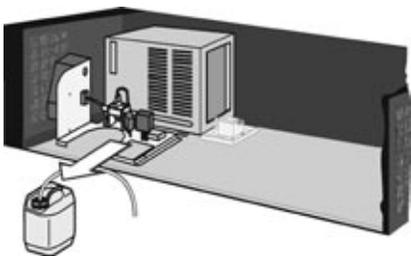
- ⇒ Unscrew the sunbed bench.
- ⇒ Loosen fixing screws and remove.
- ⇒ At the footend side unplug the connection for the body cooling fan.
- ⇒ Loosen the hose connections for the SunFresh-system:
 - Pull connection hoses out of the water container.
- ⇒ Pull out connection hose out of the SunHaze aroma system.
 - Push in the blue ring at the connection and hold.
 - Pull the hose out of the connection.
 - Let go of the blue ring.
- ⇒ Four (4) persons pull the sunbed bench out of the column.
- ⇒ Take the sunbed bench and store at a safe place.

Disassembly of assembly plate

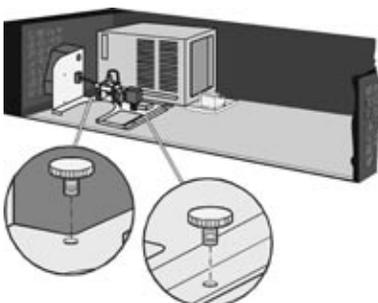


The assembly plate is screwed with two thumb screws to the ground plate.

- ⇒ Take out the water container for the SunFresh system.
 - Pull the water container forward.
 - Store the water container at a safe place.



- ⇒ Take out the container for the condensation water.
 - Loosen the connection hose to the AC-pump.
 - Take out the container for the condensation water and store at a safe place.



- ⇒ Unplug connection cable to the main control board.

- ⇒ Unscrew assembly plate, remove and store at a safe place.

Disassembly of AC system

The AC system includes:

- AC unit
- drip pan for condensation water
- condensation water pump
- container for condensation water

The cold air exit of the AC unit is connected to an air manifold which conveys the cold air into the sunbed.

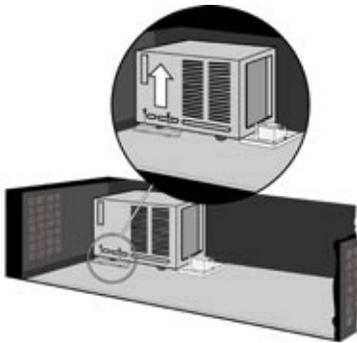
The AC unit is positioned between two holding brackets at the front and rear side. The brackets are screwed to the groundplate.

Below the AC unit there is a drip pan which receives the condensation water. An AC pump sucks the water out of this drip pan and pumps it into the condensation water container.

- ⇒ Pull the discharge hose out of the hose nozzle at the pump (if necessary).



Unplug the flat plug from the connections at the pump.



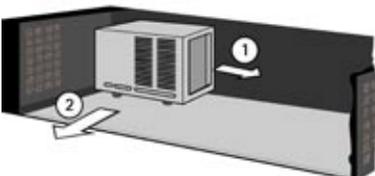
- ⇒ Remove the front holding bracket for the AC unit and store for further use.



NOTICE:

The holding bracket also keeps the drip pan below the AC unit in place.

- ⇒ Pull the drip pan for the condensation water to the footend side, remove and store for further use.



- ⇒ Pull the AC unit to the footend side, away from the connection stud (1) and then remove, pulling AC unit forward (2). Two persons carry the AC unit to the site of installation.

Disassembly of top canopy

Four (4) persons are necessary to disassemble the top canopy.

The top canopy is mounted with the hinges into the top canopy support. Both have openings to feed through the supply cables and the exhaust air.

The expansion bellows form a closed channel between top supports and column. The top canopy is fixed with with four hooks into the top canopy supports. Safety latches which are let into the top canopy supports at the head - and footend prevent the top canopy from being accidentally dismantled. Each of the safety latches is secured by a screw.

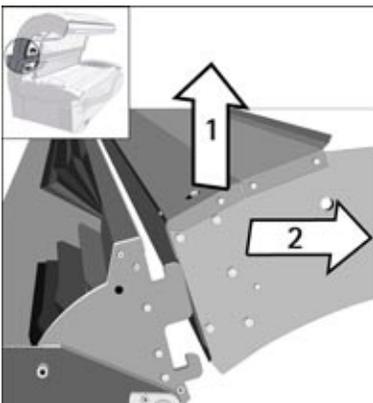
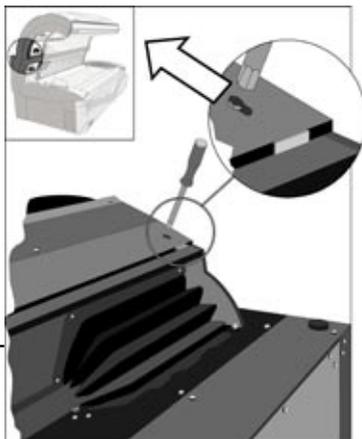
Prior to removing the top canopy, it has to be fixed in closed position. For this purpose the top canopy must be screwed at the hinges to the rear column. One screw at the headend, one screw at the footend.

- ⇒ At the front, push the top canopy down and keep fast.
- ⇒ Push the screws through the threaded holes
 - at the headend side
 - at the footend side
- ⇒ Turn screws fast.
- ⇒ Loosen the cable ties which position the supply cables to the top canopy supports.
- ⇒ Loosen the hose connections to the SunFresh system.

Blue hose = supply hose

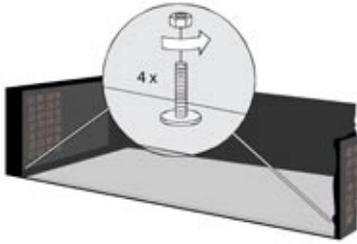
Green hose = discharge hose

- Push in the blue ring at the hose coupling and hold.
- Pull the hose out of the connection.
- Let the blue ring go.
- ⇒ Pull out the top cables pulling upwards,
 - roll up the cables
 - put the cables on the top canopy
- ⇒ Open the safety latches,
 - loosen the screws,
 - push the latches to the front side,
 - fasten screws again.



- ⇒ Remove the top canopy with four(4) persons.
 - First, lift the top canopy out of the hooks at the rear (1) then pull forward and remove (2).
 -
- ⇒ Carry the top canopy to the site of installation and store safely for further use.

Disassembly of transport screws



For transport purposes, the unit is fixed with four screws onto the pallet.

Two screws are used to fix the groundplate.
Two screws are used to fix the bench supports.

- ⇒ Loosen the nuts of the transport screws and remove.
- ⇒ Push the screws down into the pallet.

Removal of the groundplate

At the head - and footend the groundplate is held into the bench supports.
After loosening the transport screws the groundplate can be removed:

- ⇒ lift the groundplate,
 - unhinge the groundplate out of the bench supports
 - carry the groundplate to the site of installation.

Removal of the bench supports

The bench supports are fixed with two screws to the rear column.

- ⇒ Loosen the screws and remove.
- ⇒ Carry bench supports to the site of installation.

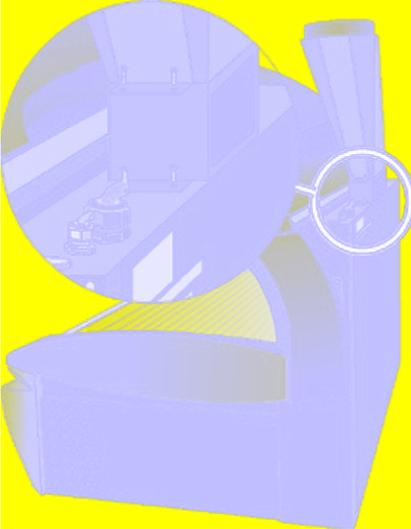
Transport of rear column to site of installation

- ⇒ Four (4) persons carry the rear column to the site of installation.
- ⇒ Move the column as close as possible to the designated place of installation.

Allow for enough space at the rear side to perform the following steps:

- ⇒ Feed cables through the entry studs
 - the supply cables
 - the cables for the external control device/music system.
- ⇒ Assembly of the optional heat-recycling system.
 - Put the connection cable which controls the flap inside the rear column. Position the cable in such a way that it does not hinder further assembly work and take care that the cable does not get pinched or damaged.
- ⇒ Assembly of exhaust air stack.
- ⇒ Performance of all other necessary jobs at the rear side of the unit.

Assembly of exhaust air stack



On top of the rear column, there is an exhaust air outlet. Out of this outlet the hot air out of the unit is blown into the open. Onto this outlet the exhaust air stack is mounted. The exhaust air stack is fixed with screws onto the column.

The exhaust air stack is packed into a separate box.

An optional heat recycling system can be assembled between the exhaust air outlet and the exhaust air stack. A motor-driven flap recycles the hot air. Pending pre-set temperature control for the room, the heat recycling systems conveys the hot air either into the room or into the open.

The optional heat recycling system is packed into a separate box.

- ⇒ Remove all packing material.
- ⇒ Assemble the optional heat recycling system.
 - Feed the connection cable through the screwed cable gland into the column. Pull it inwards, roll it up and position it in such a way that it does not hinder further assembly and take care that cable does not get pinched or damaged. Later on it will be connected to the main control board.
- ⇒ Put the exhaust air stack onto the exhaust air outlet.
- ⇒ Use a screwdriver to fasten the exhaust air stack with four screws onto the rear column.
- ⇒ Mount the flexible exhaust air hose onto the exhaust air stack.



ATTENTION!

Risk of heat damage. Insufficient fresh air supply.

If the length of the exhaust air hose exceeds 13' an additional exhaust air fan must be installed.

This additional exhaust air fan must be able to handle the same air volume as the main ventilation fan inside the unit.

Positioning of rear column at site of installation

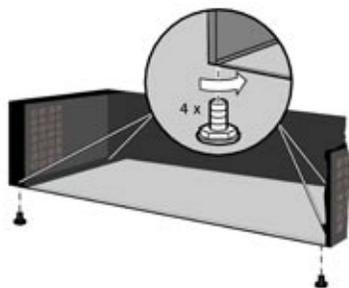
- ⇒ Position the rear column with four (4) persons at the final site of installation.



NOTICE:

Position the unit in such a way that on each side there is a minimum distance of 2" to the walls.

Assembly of bench supports



In order to put the unit into a level position and to compensate for slight irregularities in the floor, the adjustment screws must be mounted to the bench supports.

- ⇒ Take adjustment screws out of the box with accessories and screw at the front and rear side into the bench supports.
- ⇒ Fasten bench supports to the rear column.



NOTICE:

Fasten screws only hand-tight so that bench supports can still be adjusted when installing the groundplate.

Installation of groundplate



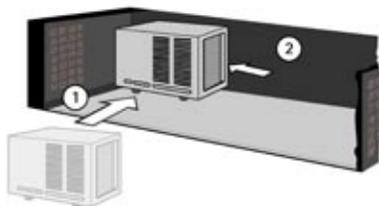
ATTENTION!

Watch for correct position of bench supports and rear column.

Watch carefully for correct position of bench supports and rear column. Supports and rear column must stand in a right angle position.

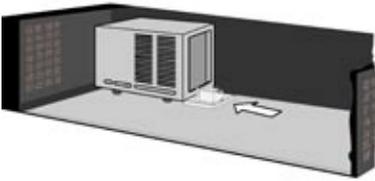
- ⇒ Move the groundplate between the bench supports and hang it into the bench supports. If necessary, correct position of bench supports.
- ⇒ Fasten fixing screws for bench supports tight.

Installation of AC system

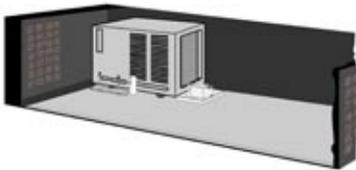


The AC system consists of the following components:

- AC unit
 - drip pan for condensation water
 - condensation water pump
 - container for condensation water
- ⇒ Position the cold air exit of the AC unit above the connecting air manifold of the unit.
 - ⇒ Push the AC unit to the rear holding bracket up to the stop position.



- ⇒ From the footend side, push the drip pan for the condensation water below the condensation water discharge of the AC unit.



- ⇒ Push the front holding bracket against the AC unit and fix with screws to the groundplate.



ATTENTION!

Danger caused by leaking condensation water.

Push the drip pan below the condensation water discharge.

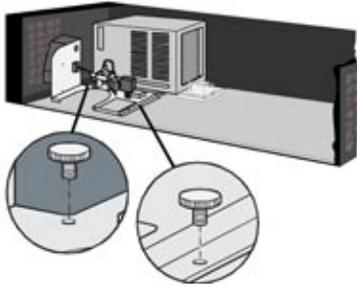
Put condensation water pump into the drip pan and connect.

- ⇒ Connect to the condensation water pump
 - the connection cable
 - the discharge hose connecting to the condensation water container.



- ⇒ Push the flat plug into the connection terminals of the pump.
- ⇒ Push the discharge hose onto the hose nozzle of the pump .
- ⇒ Check hose for tight fit.

Installation of Assembly Plate



- ⇒ Put the assembly plate into its designated position.
 - Fix the assembly plate with two thumb screws to the groundplate.
 - Plug in the connection cable to the main control board.

Assembly of sunbed bench

The rear side of the sunbed bench is reset for about 4" into the rear column and is thus supported by the column lengthwise. At the sides, the bench is supported by the bench supports. There are two screws at the headend and two screws at the footend.

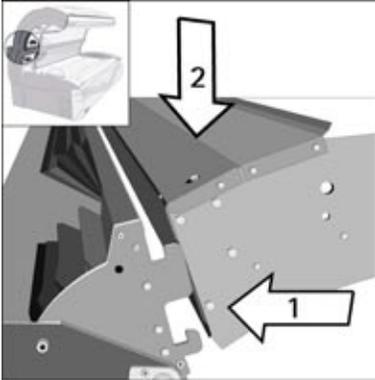
- ⇒ Four persons carry the sunbed bench to the sunbed construction and put it onto the bench supports.
- ⇒ Push the sunbed bench towards the rear column and let it into the rear column.
- ⇒ Fix the sunbed bench with screws to the bench supports.
- ⇒ At the footend, put in the plug connection of the connection cable for the body cooling fan.

Assembly of top canopy



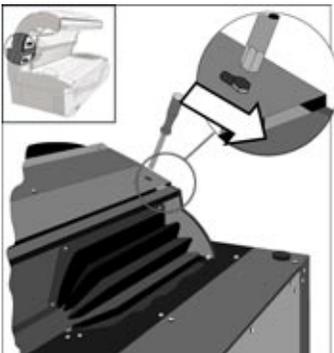
NOTICE:

Four (4) persons are necessary to assemble the top canopy.



The top canopy is fixed into position with four hooks in the top supports. Safety latches which are let into the top supports prevent the top canopy from being accidentally moved. The safety latches are secured with two screws.

- ⇒ Four (4) persons carry the top canopy to the assembly site.
- ⇒ Lift the top until the nooks in the top canopy fit into the hooks of the rear column.
- ⇒ Let the top canopy slowly down and push it from above into the hooks.



- ⇒ Close the safety latches, loosen the screws,
 - push the latches in the rear into the support,
 - fasten screws.
- ⇒ Perform the hose connections to the SunFresh system.
 - blue hose = supply hose
 - green hose = discharge hose
 - push the blue ring at the hose coupling and hold
 - push the hose into the connection until you have reached the stop position.
 - blue hose = supply hose
 - green hose = discharge hose
 - Let the blue ring go.
 - Check the hose for close fit.
- ⇒ Feed the top canopy cables to the main control board on the electric ballast tray,
 - unroll cables and lay out the cables for
 - feeding cables through the expansion bellows down below the sunbed bench.
- ⇒ Fasten connection cables of top canopy with cable ties to the top canopy supports.

Assembly of electric ballast tray

Prior to assembly of the electric ballast tray, the separately packed ballast

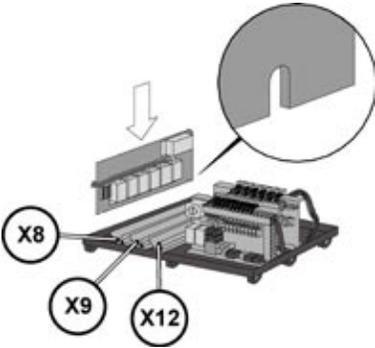
tray inserts need to be assembled to the electric ballast tray.
⇒ Two (2) persons put the ballast tray in front of the groundplate.



ATTENTION!

Observe correct position of ballast tray inserts.

The numbers on the plug terminal indicate the assembly position of the ballast tray inserts.



⇒ The ballast tray inserts are successively put into the grooves and screwed fast.

The numbers on the plug terminal indicate the assembly position of the ballast tray inserts.



CAUTION!

Risk of electric shock!

Only authorized service personnel and qualified electricians are allowed to perform initial start-up of the unit.

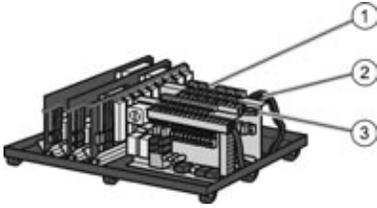
Connection of cables

The connection terminals at the cables and the connection terminals on the ballast tray are numbered. Terminals with matching numbers are connected.

Connect the cables to the electric ballast tray.

- ⇒ Connect the terminal with the number X##. to the matching terminal X ##. on the ballast tray.
- ⇒ Connect the AC unit and the condensation water pump (optional).
- ⇒ Connect the connection cables from assembly plate 3 (optional).
- ⇒ Put the power supply cable for the purification system inside the SunFresh container to the safety power socket (optional), before you put the SunFresh container into its designated position on assembly plate.

Electrical connection



Survey of electric ballast tray:

- 1 Terminal for control and sensor connections
- 2 Mains supply
- 3 Strain relief for mains supply



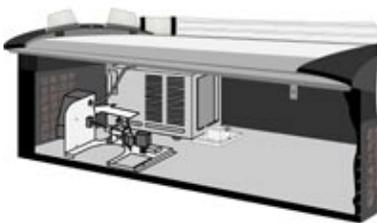
CAUTION!

Risk of electric shock!

Only certified electricians according to EN 60204-1/VDE 0113 and current EVU-standards are allowed to perform the electrical connection. For non-EU units: Applicable local standards and regulations for the performance of electrical connections apply.

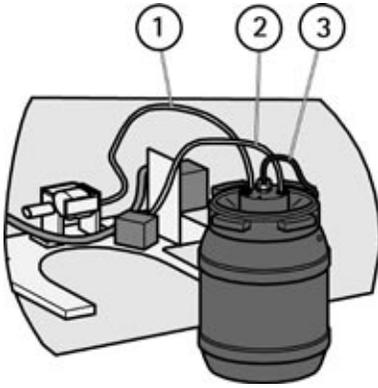
- ⇒ Connect the mains supply cable.
- ⇒ Fasten the strain relief.
- ⇒ Connect the control device as described in the chapter *Assignment of terminals*.
- ⇒ Connect the ballast tray terminals.
- ⇒ Connect the remaining plugs from top canopy and sunbed to the ballasts on the electric ballast tray. See also the chapter *Assignment of terminals*.
- ⇒ Connect the control cable from the display to the main control board (display terminal on main PCB).

Hose connections



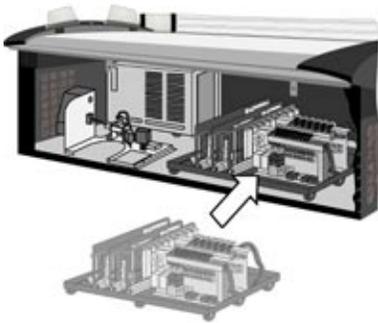
The following components are optional and are only provided on customer request:

- SunHaze system
- SunFresh system
- ⇒ Connection of SunHaze system
 - Connect the supply hose (orange) of the SunHaze system.
 - Push in the blue ring at the connection and hold.
 - Push in the hose until you reach the stop position.
 - Let the blue ring go.
 - Check the hose for tight fit.



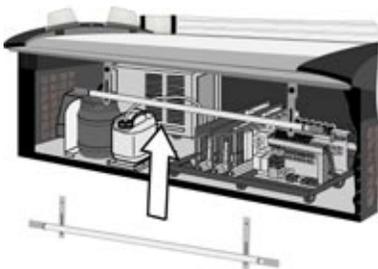
- ⇒ Connect SunFresh system (optional)
The hose feeding the SunFresh nozzle is blue (1).
The discharge hose, leading superfluous water back to the container (2) is green.
 - The connection hoses for the SunFresh system are connected with the SunFresh container before the container is put into its designated position on assembly plate.
- ⇒ Put the connection plug (supply cable (3) of the purification system which is built into the SunFresh container into the connection socket on the main control board.

Installation of electric ballast tray



- ⇒ Push the electric ballast tray under the sunbed bench. Take care that connected terminals remain connected and that cables do not get pinched or damaged.
- ⇒ Layout the cables in a safe and neat way.

Installation of backlighting lamp in the sunbed front



- The backlighting lamp is fixed onto two holding brackets. The holding brackets are fixed with two thumb screws to the sunbed bench.
- ⇒ Take the lamp and adjust the holding brackets to match with the threaded holes.
 - ⇒ Fasten lamps with two thumb screws.
 - ⇒ Reconnect power supply for the backlighting lamps.

Assembly of sunbed coverings

To protect the outer skins of the sunbed, they are delivered disassembled and packed separately.

Assembly of coverings at the rear column and the top canopy

The sickle-shaped coverings for the rear column and the top canopy are assembled at the headend and footend.

Each of these coverings is secured at three points.

At the rear column the two foremost screws are hidden under the cover. The screws are let into the key-shaped holes. With the rearmost, visible screw the covering is fixed.

The top canopy covering is set into the top canopy frame and is fixed from the rear side. Snug fit is provided by two short, thick locating pins and two corresponding drill holes at the top canopy frame.

⇒ Assemble the cover for the rear column.

- Take the cover and set the hidden screws into the key holes of the rear column.
- Push the cover backwards.
- Fasten cover with screw.

⇒ Assemble cover for the top canopy.

- Take the cover and set the fitting pins into the holes of the top canopy frame.
- Fasten cover with three screws.

Assembly of covers at the sunbed bench

The sunbed bench is covered at the headend and at the footend.

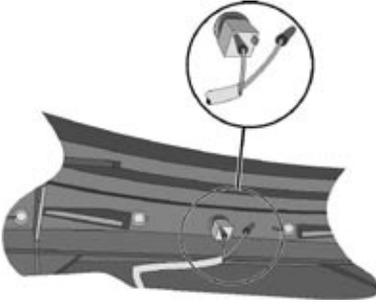
Into the cover at the headend side the passive shoulder tanners and the emergency stop button are integrated. The loudspeakers in the sunbed bench are also integrated into the cover. The cover at the footend does not accommodate any additional components.

⇒ Assemble the passive shoulder tanners.

- Push a screw from below through the mounting hole.
- Put the frame with one mounting hole onto the screw.
- Fasten screw hand-tight.
- Adjust the frame with the other mounting hole to the second screw..
- Tighten screws.

⇒ Assemble the cover at the headend.

- Take the cover and position yourself at the headend.
- Hold the cover in such a way that the emergency stop button is visible.



- ⇒ Connect the emergency stop button.
 - Take the cable end with the two receptables out of the shaft in the sunbed bench.
 - Put the receptables onto the plugs at the emergency stop button. The sequence is arbitrary.

- ⇒ Lower the cover on the left side and push it into the rear plate.
 - Let the cover down onto the loudspeakers.
 - If necessary, slightly adjust the cover moving it right and left or back and forth.
- ⇒ Fasten the cover from below.

- ⇒ Assemble the cover at the footend side.
 - Take the cover and position yourself at the footend.
- ⇒ Lower the cover at the right hand side and push it into the rear plate.
 - Let the cover down onto the sunbed bench.
 - If necessary, slightly adjust the cover moving it right and left or back and forth.
- ⇒ Fasten the cover from below.

Assembly of top canopy cover

The top canopy covers sit across the whole front length in a groove of the front top profile. Two holding pins keep the top canopy cover in the groove.

At the rear side, the top canopy cover is supported by the top canopy frame and fastened with 6 screws.



NOTICE:

Two (2) persons are necessary to assemble the top canopy cover.

- ⇒ Lift the top canopy cover at the headend and footend onto the top.
 - Tilt the top canopy cover forward.
 - Let the top canopy cover at the front edge into the groove at the top profile.



NOTICE:

Take care that the top canopy cover is let vertically into the groove.

- ⇒ To the rear side, let the top canopy rest on the top canopy frame.
 - Adjust the top canopy cover to insert the mounting screws.
- ⇒ Fasten top canopy cover
 - at the rear side with screws
 - at the front side by locking the fastening latches.

Assembly of front cover

At the bottom, the front cover plate is fixed with two hook plates into slots at the right and left bench supports. On the top it is fixed with two screws to the sunbed bench.



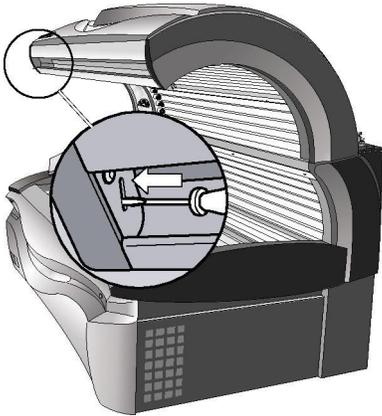
NOTICE:

Two (2) persons are necessary to assemble the front cover.

- ⇒ Take the front cover and put it in a center position in front of the sunbed bench.
- ⇒ Put the front cover into position at the right and left bench supports.
 - Let the hook plates into the slots.
- ⇒ Push in the hooks until you reach the stop position.
- ⇒ In the top, tilt the front cover towards the sunbed bench.
 - Adjust the front cover and tighten.

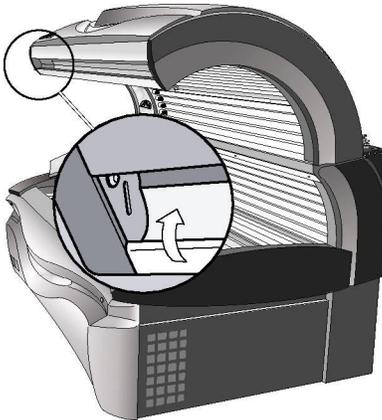
Assembly of acrylics

Assembly of top canopy acrylic

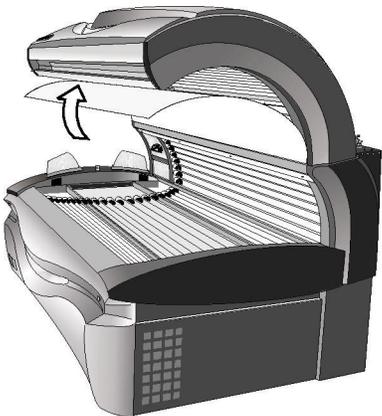


⇒ Open the top canopy.

⇒ Take a screwdriver and push in the spring at the slot in the front top canopy profile.



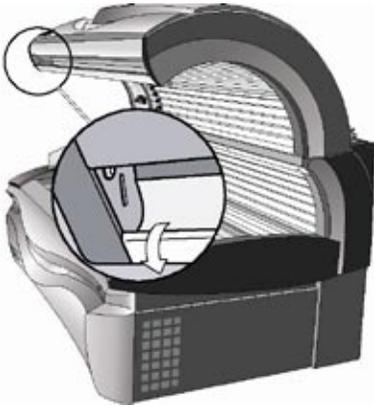
⇒ Turn the profile outwards.



⇒ Lift the top canopy acrylic and from the front put it in position.

⇒ Fit the top canopy acrylic into the groove at the rear side of the top canopy.

⇒ Tilt the top canopy acrylic upwards and push it against the front top canopy profile.



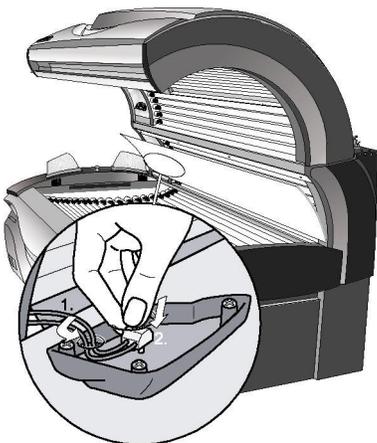
⇒ Turn the front top canopy profile inwards until the spring locks in.

Assembly of rear column acrylic



At the bottom, the rear column acrylic sits in a groove. At the top, a profile strip keeps the rear column acrylic in place. The profile strip is fixed with quick connections to the rear column.

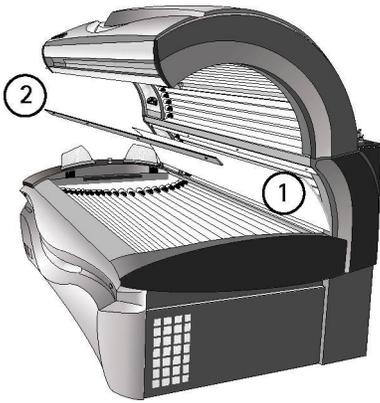
⇒ Loosen the quick connections at the profile strip. Remove profile strip.



⇒ Connect the control panel.
The supply cable for the control panel must be fed through the small drill hole in the acrylic to the connection plug.

- Lift the rear column acrylic onto the sunbed bench.
- Let the acrylic rest on the front side.
- Push the plug through the small opening at the rear side of the rear column acrylic. (1.)
- Push the plug into the terminal (2.).

⇒ If necessary, clean the control panel with a dry, clean cloth.



- ⇒ Set the rear column acrylic into the groove at the rear side (1).
- ⇒ Tilt the acrylic upwards. Take care that the control cable for the control panel sits right behind the cover profile.
- ⇒ Fix the rear column acrylic with the profile strip (2).

Assembly of neck tanner

The neck tanner is positioned in the sunbed bench below the AC acrylic. It is kept in place by two notches in the black coverings to the headend side.

- ⇒ Assemble the neck tanner.
 - Take the neck tanner.
 - Adjust into the right position.
 - Place it with the notches into the mountings of the black cover.
- ⇒ Check if neck tanner fits correctly.

Assembly of AC acrylic



The AC acrylic sits under the sunbed acrylic. The AC acrylic feeds the cold air through the sunbed and conveys the hot air out of the sunbed.

- ⇒ Position the AC acrylic into the deepenings of the headend and footend covers.

Assembly of sunbed acrylic



The sunbed acrylic rests in a profile groove in the front and rear side and across its whole length. Two sash locks secure the sunbed acrylic against unauthorized removal. The sash locks are opened with the help of an Allen key (6mm). A safety switch controls the installation and position of the sunbed acrylic.

Two (2) persons are necessary to assemble the sunbed acrylic.

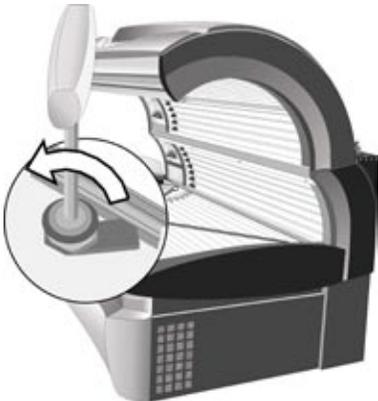
- ⇒ The two sash locks must be open.
To open the sash locks: turn clockwise by 90°.



- ⇒ Lift the sunbed acrylic with the two sash locks pointing to the side.



- ⇒ Position the sunbed acrylic across the rear edge of the sunbed profile.
- ⇒ Lower the sunbed acrylic into the front profile groove.
 - At the footend side the acrylic is slightly lifted up by the safety switch.
- ⇒ Push the sunbed acrylic backwards into the rear groove. This provides enough tolerance space to let the sunbed acrylic down into the front profile groove.
- ⇒ At the headend, push the acrylic down.



Keep the acrylic in this position.

- ⇒ Close the sash lock at the headend:
Turn 90° Clockwise.
 - The acrylic is pushed by the sash lock into the front profile groove.
- ⇒ At the footend, push the sunbed acrylic down.
- ⇒ Close the sash lock at the footend :
Turn 90° Clockwise.
 - The acrylic is pushed by sash lock into the front profile groove.

First Start-up

Prior to first starting the sunbed, check if all set-ups are correct and all safety features are in place, for example:

- sunbed acrylic
- top canopy acrylic
- facial filters
- on-site exhaust air system
- sufficient fresh air supply of min. 1300 cfm, for instance, a big window or a fresh air shaft.
- functioning of the emergency stop button

Set-up of electronic controls



CAUTION!

Incorrect set-ups of the electronic control system can damage the unit. Only authorized service personnel is allowed to perform the following jobs.

Via the control panel you have access to the operator's menu. In the operator menu you can read out total operating hours, select the set-ups for operating hours of low-and highpressure lamps, as well as choose other customized set-ups for operating the sunbed.



NOTICE:

Set-ups can only be accessed or modified when the unit is in stand-by mode.

- ⇒ Turn the mains disconnection switch into position "I".
- ⇒ Push the following sequence of buttons:
 - "Cooling top canopy",
 - "Facials",
 - "Cooling top canopy",
 - "AC unit",
 - "AC unit".
- ⇒ In order to get to a certain point in the menu, push the button "Music" until you have reached the required menu point.
- ⇒ In order to change a value in the menu point, push the button "+" to increase, or "-" to diminish.

Example

The following example shows you how to change a set-up. If, for instance, you want to customize the operating hours for low-pressure lamps, proceed as follows:

- ⇒ Turn the mains disconnection switch into position “I”.
- ⇒ Push the following sequence of buttons:
 - “Cooling top canopy”,
 - “Facials”,
 - “Cooling top canopy”,
 - “AC unit”,
 - “AC unit”.

You are now in the operator menu. The operating hours for low-pressure lamps can be found under menu point “02”.

- ⇒ Push the “Music” button twice.

Menu point “02” is shown.

- ⇒ With the buttons “+” and “-” you enter the required value for the operating hours, for instance 500.
- ⇒ With the “+” button you increase the value shown on the display.
- ⇒ With the “-” button you diminish the value shown on the display.
- ⇒ In order to get to the next menu point, push the button “Music”, until you reach the required menu point.
- ⇒ In order to leave the operator menu, push the “Music”, button until you have reached the last point in the menu.

The set-ups are saved automatically.

In this example, after the low-pressure lamps have reached a total of 500 operating hours, the display will show in the lower right corner a blinking point which indicates that the pre-set max. operating hours for the low-pressure lamps have been reached.

Survey Operator Menu – Set-ups

Operator menu	Value	Description	Display	OEM set-up	Optional set-ups
01		Total operating hours equipment	01_>xxxxx	–	No re-set function
02		Operating hours – low-pressure lamps	02_>xxxxx	–	Re-set with button combination 3x Cooling sunbed, 1x SunHaze, 1x AC
03		When max. operating hours f. low-pressure lamps have been reached, there is a blinking point in the lower right corner of the display. Deactivate this function by entering “000”.	03xxx	000	
04		Operating hours – HID lamps	04_>xxxxx	–	Re-set with button combination 3x Facials, 1x SunHaze, 1x AC
05		When max. operating hours f. high-pressure lamps have been reached, there is a blinking point in the lower right corner of the display. Deactivate this function by entering “000”	05xxx	000	
06	00-30	External control device/token box(00) or internal control (01-30)	06_00	00	
07	00-02	AC unit always OFF (00), AC unit ON at start then optional ON/OFF (01); AC unit OFF at start then optional ON/OFF (02)	07_01	01	
08	00-01	Facials optional OFF (00) or Facials always ON (01).	08_00	00	
09	00-01	Button “STOP” with intermediate function (00) or button “STOP” never with intermediate function (01), Stop button deactivated (02)	09_01	02	
10	00-01	Cleaning function activated (00) or Cleaning function deactivated (01)	10_00	01	After after-cooling time has expired, the display shows “Clean”; push “Start” button to delete the message after cleaning the unit.
11	00-50	Temperature set-up for heat-recycling system	11_25	20	
12	00-01	Backlights always ON (00) or Backlights always OFF (01)	12_00	00	Push the button combination “SunFresh” and “-”= OFF “SunFresh” and “+”= ON. ICON – not assigned
13	00-08	Start level add. Fan shoulder tanner	13_08	08	
14	00-08	Start level fans sunbed	14_08	08	
15	00-08	Start level fan top canopy	15_08	08	
16	00-03	Delayed switch-off for facials in min.	16_00	00	



WARNING!

UV-Radiation!

UV-radiation can cause serious damage to your eyes and skin. Always wear protective eye-wear.

Never exceed recommended exposure times.



NOTICE:

The following shows an example on how to use the sunbed.

The function of the control buttons can be set-up differently by the operator.

Lift the top canopy open.

- ⇒ Lie down on the sunbed.
- ⇒ Pull the top canopy down.

The display shows pre-selected tanning time.

- ⇒ Push the button “START”.

The unit starts. The displays shows accrued tanning time.

- ⇒ If you want to interrupt the tanning session, push the button “STOP”.

The unit stops.

- ⇒ If you want to continue the tanning session, push the button “START” again.



NOTICE:

The tanning session will only continue, if preselected tanning time is still available.

The HID lamps start with a delay time (cooling) of three minutes (OEM set-up).

The unit re-starts.

The tanning session stops after pre-selected tanning time has expired.

- ⇒ Push the top canopy upwards and leave the sunbed.
- ⇒ After a tanning session, the unit must be cleaned and disinfected as described in chapter *Cleaning*.

Optional set-ups at the control panel

Facials



The intensity of the facials can be increased or reduced in two steps.

- ⇒ Push the button “Facials”.
- ⇒ To increase intensity, push the button “+”.
- ⇒ To reduce intensity, push the button “-”.

Body cooling top canopy



The speed of the airflow can be increased or reduced.

- ⇒ Push the button “Body cooling top canopy”.
- ⇒ To increase the airflow, push the button “+”.
- ⇒ To reduce the air flow, push the button “-”.

Body cooling sunbed



The speed of the airflow can be increased or reduced.

- ⇒ Push the button “Body cooling sunbed”.
- ⇒ To increase the air flow, push the button “+”.
- ⇒ To reduce the air flow, push the button “-”.

AC-unit

The AC unit creates a comfortable tanning climate. When the unit starts, the AC unit turns on automatically (OEM set-up).



To turn the AC unit ON or OFF, proceed as follows:

- ⇒ Push the button “AC unit”.
- ⇒ To turn off the AC unit, push the button “-”.
- ⇒ To turn on the AC unit, push the button “+”.

Starting a tanning session

The unit can be started manually.. You can stop the unit during a tanning session and then restart the unit to continue the session.



To start the unit, push the button “START”.



NOTICE:

The tanning session will only continue, if pre-selected tanning time is still available.

The HID lamps start with a delay time (cooling) of three minutes (OEM set-up).

Stopping a tanning session

The tanning session can be stopped manually.



In order to stop the session, push the button “STOP”.

Activating SunFresh option



To activate the SunFresh/ Watermist option, push the button “SunFresh”.

Activating SunHaze option



To activate the SunHaze option, push the button “SunHaze-Aroma”.

Music volume



The volume of the loudspeakers can be steplessly adjusted.

- ⇒ Push the button “Music”.
- ⇒ To increase the volume, push the button “+”.
- ⇒ To reduce the volume, push the button “-”.

Tanning Instructions

Who should not tan

You are not allowed to use a sunbed, if:

- You are under 18 years of age.
- You belong to skin type 1
- Your skin shows more than 50 moles.
- Your skin tends to develop freckles and sunspots.
- Your hair is very fair or slightly red and you have fair eyes and nipples.
- Your skin suffered from many sunburns during childhood.
- You tend to develop allergic skin reactions as a consequence of UV light exposure.
- You are suffering from a coronary or circulatory condition.
- Your skin shows early stages of skin cancer or if you have a history of skin cancer.
- You have a hereditary increased risk of developing malign skin cancer.

Diminishing the risk of eventual damages to eyes and skin



WARNING! SERIOUS RISKS FOR EYES AND SKIN!

UV-radiation can lead to serious damages of eyes and skin.

Never exceed recommended exposure times.

Observe the following instructions carefully:

- Observe recommended exposure times as per your individual skin type (see chapter *Recommended Exposure Times*).
- Keep an interval of minimum 48 hours between first two sessions.
- Tan only once a day. Do not tan in the natural sun on the day you have already had a tanning session.
- If you are suffering from skin diseases, consult a physician or dermatologist prior to taking tanning sessions.
- Remove contact lenses prior to a tanning session.
- If at all, use only sun creams specifically designed for indoor tanning.
- Remove cosmetics well in advance of a tanning session.
- Be careful when taking medication. Some medications can increase the photosensitivity of your skin. In case of doubt, ask your physician or dermatologist.
- During a tanning session, always wear protective eye-wear (UV-protective goggles).
- After a tanning session, apply a good lotion or cream to rehydrate your skin.

Do not exceed

- more than maximum three tanning sessions per week.
- more than 10 tanning session per month.
- more than 10 tanning sessions for a continued series of tanning. After a series of tanning sessions, allow for an extended rest period prior to resuming tanning sessions.
- More than maximum 50 tanning sessions per year (total outdoor and indoor exposure).

Determination of skin type

In order to determine individual exposure time, you need to determine your skin type. If you belong to skin type 1 you are not allowed to use a sunbed.

You belong to skin type 1, if:

- Your skin shows more than 50 moles,
- Your skin tends to develop freckles and sunspots,
- Your hair is light blonde or reddish and you have fair nipples and eyes.

In case of doubt, consult your physician or dermatologist.

The following chart helps you to determine your skin type:

	Skin type		
	II	III	IV
Complexion	light	Light/beige	beige/olive
Freckles	Few/none	none	none
Hair color	blonde/ brown	Dark blonde/brown	Dark brown/ black
Eye color	blue/green/ grey	grey/brown	Brown
Nipples	light	darker	darkl
Tanning	rarely	average	Fast/deep
Sunburn-Frequency	always	rarely	Almost never
Minutes until sunburn develops when exposed to the natural sun	10–20	20–30	ca. 40

What to do when a sunburn or an abnormal skin reaction occurs

- If skin starts to blister or shows other symptoms of sunburn, go and consult a dermatologist immediately.
- In case of abnormal skin reactions, stop tanning immediately and consult a dermatologist.
- If sunburn occurs after the first tanning session, stop taking further tanning sessions immediately.
- Avoid skin reddening (sunburn) which may show up several hours after a tanning session. If reddening persists, reduce exposure times.

- If a sunburn occurs during a series of tanning sessions, stop tanning until symptoms disappear completely. Continue sessions at reduced exposure times and frequency with maximum two sessions a week.

Recommended Exposure Times



WARNING!

Risk of skin damage!

Incorrect exposure times can lead to serious skin damage. If you do not use the standard lamps as quoted below, you may have to adjust exposure times. When using other lamps than those recommended by manufacturer with listed exposure times, the operator has to make sure that maximum exposure times are in compliance with applicable local/national standards and regulations for tanning equipment and exposure times.

For further reference, contact your lamp distributor for compatible lamps.

Icon46 vv

Equipped with the following lamps:

- 30 lamps Dr. Müller Energy R 160 W in the top canopy
- 22 lamps Dr. Müller Energy R 160 W in the sunbed
- 4 lamps Dr. Müller HID 650 W E in the facials

Tanning session	Skin type (time in minutes)		
	II	III	IV
1.	4	4	4
2.	5	5	5
3.	5	5	6
4.	6	6	7
5.	6	6	8
6.	7	7	9
7.	7	8	10
8.	8	9	10
9.	8	10	10
10.	9	10	10
11.	9	10	10
12.	9	10	10
Each following session	9	10	10

Maintenance



DANGER!

RISK OF ELECTRIC SHOCK!

Switch off the mains disconnection switch prior to performing any maintenance jobs. Secure the switch with lock and key against accidental turn on.



DANGER!

Hot surfaces! Risk of burns!!

Low-and high-pressure lamps get very hot during operation and can cause serious burns. Allow the unit to cool down completely before you start performing any maintenance jobs.



WARNING!

For maintenance and replacement use only original replacement parts as provided by manufacturer or approved and released by authorized service technicians.

Maintenance Chart



Notice:

Observe manufacturer's information on useful lifetime for low- and high-pressure lamps. .

Component	Replacement
UV low-pressure lamps	After recommended lifetime has expired see chapter <i>Replacement of low-pressure lamps</i> (Observe information of manufacturer on useful lifetime)
HID - lamps	After recommended useful lifetime has expired, see chapter <i>Replacement of high-pressure lamps and facial filters</i> (Observe information of manufacturer on useful lifetime)
Facial filters	Whenever necessary, see <i>Replacement of HID lamps and Filters</i>
AC acrylic	Whenever necessary, see <i>AC-acrylic</i> .
Acrylic in top canopy	Whenever necessary (scratched or damaged) see <i>Replacement of top canopy acrylic</i>
Dust filters in top canopy and sunbed	Depending on ambient conditions, approx every 50 hours or less, see <i>Replacement of dust filters</i>
Sunbed acrylic	Whenever necessary (scratched or damaged), see <i>Replacement of sunbed acrylic</i>

Daily check-up prior to starting the sunbed

The daily check-up includes:

- Optical inspection
- Inspection of all functions.

Optical inspection:

Component	Check for
UV lamps	Failure, flickering
HID lamps	Failure
Facial filters	Damage
AC acrylic	Damage
Sunbed acrylic/ rear column acrylic	Damage
Top canopy acrylic	Damage
All air openings and outlets for fresh and exhaust air	Free access
SunFresh-Container	Damage

Control of functions:

Component	Check for:
Emergency stop button	<ul style="list-style-type: none">▪ All UV radiation stops immediately after emergency stop button has been pressed.▪ Main ventilation shuts off after after cooling time has expired.
Timer/control device	Correct functions
Main fan	Failure (no noise)
Body cooling fans	Failure (no noise)

Annual inspection or every 1,000 operating hours

Once a year or every 1,000 operating hours, whichever comes first, the unit needs to be inspected for electrical and mechanical safety. The annual inspection must be performed by service personnel of Advanced UV Light or service personnel of authorized distributors. For authorized service network see **Contact Manufacturer**.

Replacement of UV lamps

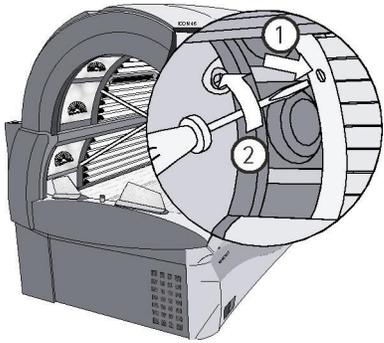
The UV lamps must be replaced whenever useful lifetime as recommended by manufacturer has expired or whenever a UV-lamp fails or is defective.

NOTICE:

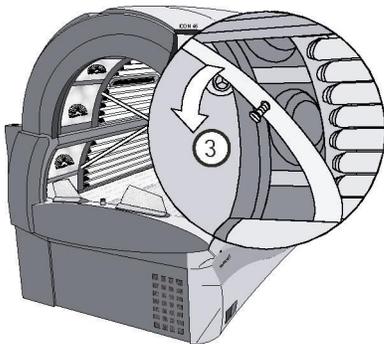


Advanced UV Light recommends to replace lamp starters with every second lamp change when conventional (non electronic) starter type is used.

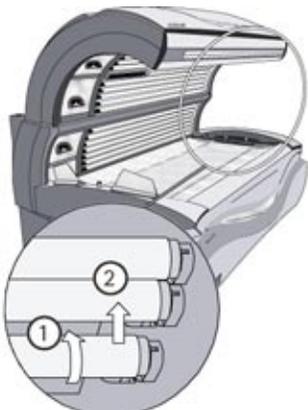
Disassembly of UV lamps out of top canopy



- ⇒ In order to loosen the screws at the cover profile, take a screwdriver, push into direction indicated by the arrow (1.) and keep pushed.
- ⇒ Then turn the screw into direction as indicated by the arrow(2.).



- ⇒ Take out the cover profile.



- ⇒ Turn the first UV-lamp counter clockwise 90° (1).
- ⇒ Take the UV-lamp out of the holder (2).
- ⇒ Follow the same procedure for the remaining UV-lamps.

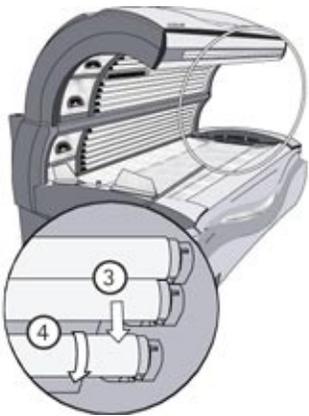


CAUTION! RISK OF DAMAGE TO THE ENVIRONMENT

Never dispose of UV-lamps with regular waste. Dispose of UV-lamps in compliance with applicable environmental standards and regulations.

Installation of UV-lamps into top canopy

- ⇒ Clean the UV lamps with a soft leather cloth slightly dampened with glass cleaner or clean water.



- ⇒ Put the UV-lamp into the holder (3).
- ⇒ Turn the UV-lamp by 90° clockwise (4) and make sure that the stamp on the UV lamp is clearly visible to the viewer.

- ⇒ Tilt the top canopy acrylic upwards until you can hear it click into the top.

Disassembly of UV lamps out of sunbed



- ⇒ If you want to replace a UV-lamp in the sunbed, proceed as follows:
 - ⇒ Disconnect the mains disconnection switch and secure with lock and key against accidental activation reconnection.
 - ⇒ Tilt the sunbed acrylic upward (1).
 - ⇒ Lift the acrylic support and turn to the headend until it clicks in(2).



CAUTION! RISK OF DANGER TO THE ENVIRONMENT

Do not dispose of UV-lamps with regular waste. Always dispose of UV-lamps in compliance with applicable environmental regulations and standards.

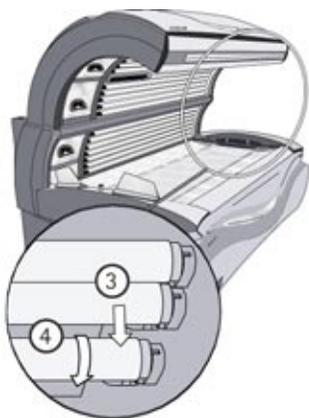


CAUTION! HEAT RISK FOR THE EQUIPMENT!

Incorrectly installed reflector lamps can cause heat problems with the equipment and result in serious damage.

When using reflector lamps, make sure that the stamp on the lamp is clearly visible to the viewer.

Installation of UV-lamps in the sunbed



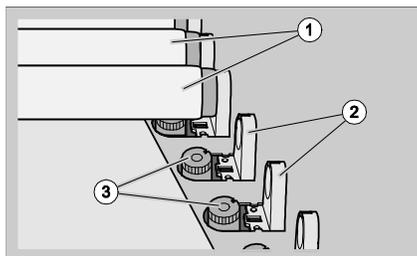
- ⇒ Clean the lamps with a soft leather cloth slightly damped in glass cleaner or clear water.
- ⇒ Put the UV lamps into the lampholder (3.).
- ⇒ Turn the lamp clockwise by 90° (4.) and make sure that the lamp stamp is clearly visible to the viewer.
 - The UV-lamp snaps into the lampholder with a „click“.
- ⇒ After all sunbed UV-lamps have been installed, re-assemble the AC acrylic.
- ⇒ Lift the sunbed acrylic for a few centimeters..
- ⇒ Put the acrylic support back into its place.
- ⇒ Let the sunbed acrylic down onto the sunbed.

Replacement of starters

Starters must be replaced whenever lamps start to flicker or do not light up.

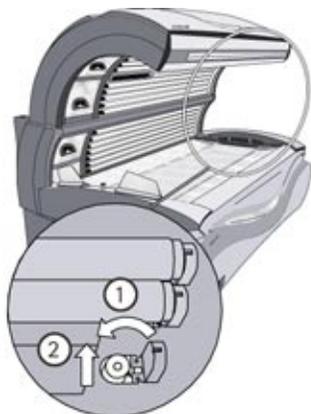
- ⇒ Disconnect the unit from the mains supply by turning off the the mains disconnection switch and secure with lock and key against accidental re-connection.

Survey UV-lamps and starters



- 1 UV-lamp
- 2 lampholder
- 3 starter

Disassembly of starter



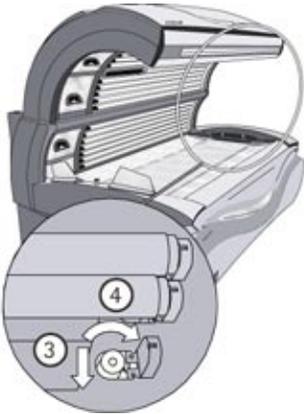
- ⇒ If you need to replace a starter, proceed as follows:
- ⇒ Turn off the mains disconnection switch and secure with lock and key against accidental reconnection.
- ⇒ Take the UV-lamp out of the lampholder.
- ⇒ Turn the starter by 90° counter clockwise (2).
- ⇒ Take out the starter(1).



CAUTION! RISK OF DANGER TO THE ENVIRONMENT

Do not dispose of starters with regular waste. Always dispose of starters in compliance with applicable environmental regulations and standards.

Assembly of starter



- ⇒ Set in the new starter (3).
- ⇒ Turn the starter clockwise by 90° into the lampholder (4).

Replacement of sunbed acrylic

Installation of new sunbed acrylic



- ⇒ The two sash locks must be open.
To open: turn clockwise by 90°.

- ⇒ Get the new sunbed acrylic into a position suitable for installation.



- ⇒ Put the sunbed acrylic into the groove along the rear sunbed profile.
- ⇒ Lower the sunbed acrylic along the groove on the front profile.
 - At the footend the sunbed acrylic is slightly lifted up by the microswitch.

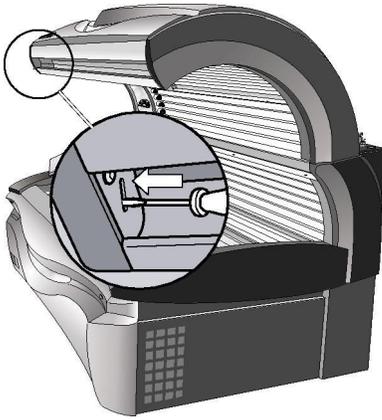
- ⇒ Push the sunbed acrylic backwards into the rear plate. This gives you enough tolerance space to lower the sunbed acrylic into the front profile.
- ⇒ At the front headend side, push the sunbed acrylic down.



- Keep the sunbed acrylic in this position.
- ⇒ Close the sash lock at the headend side:
Turn counter clockwise by 90°.
 - The sash lock pushes the sunbed acrylic into the front groove.
- ⇒ At the footend , close to the microswitch, push down the sunbed acrylic.
- ⇒ Close the sash lock at the footend side:
Turn counter clockwise by 90°.
 - The sash lock pushes the sunbed acrylic into front groove.

Replacement of top canopy acrylic

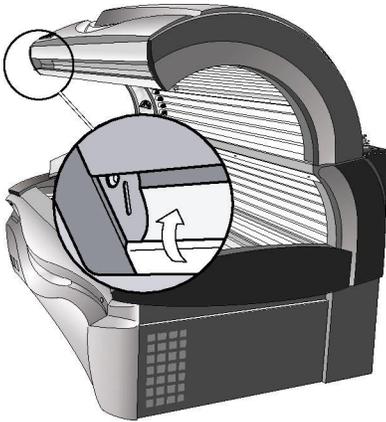
Removal of top canopy acrylic



Replace the top canopy whenever it is damaged or scratched.
Proceed as follows:

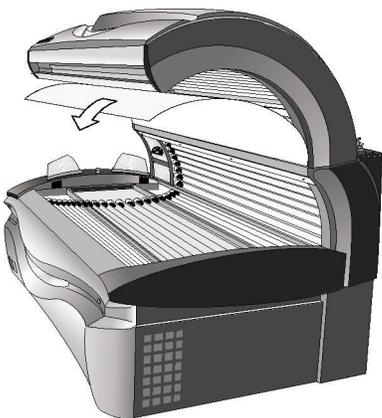
- ⇒ Disconnect the unit with the mains disconnection switch and secure with lock and key against accidental reconnection.

- ⇒ Take a screwdriver and push in the spring at the slot in the front profile.



- ⇒ Protect the sunbed acrylic and the top canopy acrylic against scratches by putting a piece of styrofoam or some other soft padding material between top and sunbed acrylic.

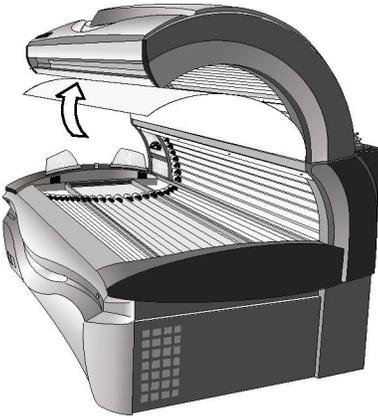
- ⇒ Turn the profile outwards.



- ⇒ Lower the top canopy acrylic.

- ⇒ Two persons take the top canopy acrylic and take it out of the sunbed.

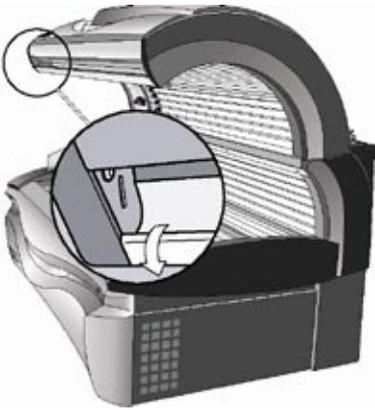
Installation of new top canopy acrylic



⇒ If necessary, clean the top canopy acrylic with a suitable acrylic cleaner.

⇒ Put the top canopy acrylic into the rear top canopy.

⇒ Tilt the top canopy acrylic upward.



⇒ Turn the top canopy profile outward until it snaps in.

Replacement of HID lamps and facial filter glasses

The HID lamps are installed in the facial cassettes

- top canopy (3 HID lamps)
- rear column (1 HID lamp)

Each HID lamp is covered with a facial filter. In order to replace a HID lamps this facial filter must be disassembled first.

The HID lamps in the facial cassettes must be replaced whenever they become defective or when recommended useful lifetime has expired.

The facial filters must be replaced whenever they are damaged or broken.



WARNING!

RISK OF BURNS! Hot surfaces and components!

Do not replace HID lamps immediately after a tanning session. Allow lamps and components to cool down completely prior to starting any maintenance work.



NOTICE:

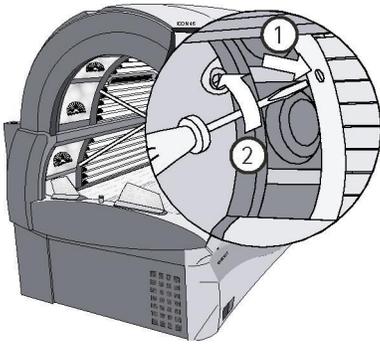
Only replace HID lamps with lamps of the same type and wattage. Refer to specifications on the type label!

- ⇒ Disconnect the unit from the mains supply system with the mains disconnection switch and secure with lock and key against accidental reconnection.

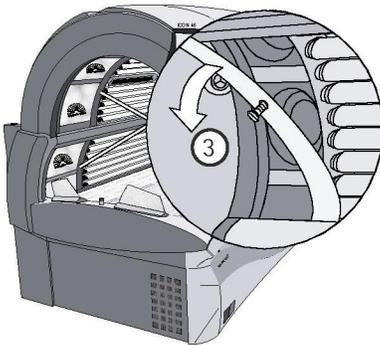
In order to disassemble the facial filters you must disassemble the top canopy acrylic and the side acrylic and cover profiles first.

- ⇒ Disassemble the top canopy acrylic as described in the chapter ***Disassembly of top canopy acrylic***
- ⇒ Disassemble the side column acrylic as described under ***Disassembly of side column acrylic***.

Disassembly of cover profile



⇒ Loosen the quick connections at the cover profile.



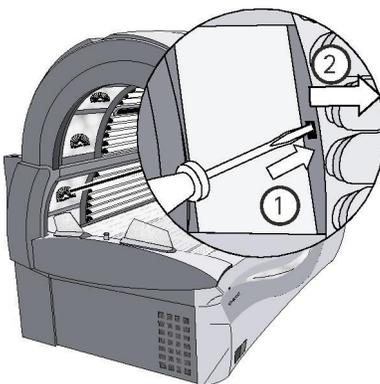
⇒ Take off the cover profile and store at a safe place.



WARNING RISK OF CUTS!

Defective or broken facial filter glasses can cause serious cuts.
Wear protective gloves!

Disassembly of facial filter



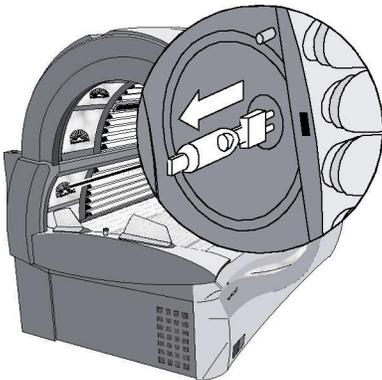
Support the facial filter with one hand to prevent the filter glass from falling down during disassembly.

- ⇒ With a screwdriver, push the holding bracket (1) to the footend side (2).
- The microswitch lifts the facial filter a bit forward.



⇒ Take the facial filter out of the filter frame (3).

Replacement of HID lamps



⇒ Take a clean, soft cloth and pull the HID lamp out of the lampholder.



CAUTION! Risk of danger to the environment

Do not dispose of HID lamps with regular waste. Dispose of HID lamps in compliance with applicable environmental standards and regulations.

Dispose of defective or used HID lamps in compliance with applicable environmental standards and regulations.



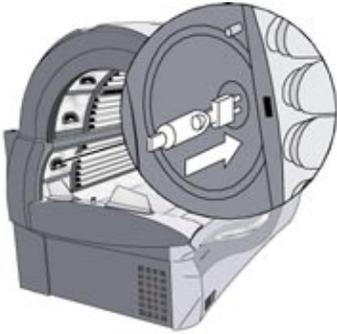
ATTENTION!

During installation the new HID lamps can get damaged. Never touch lamps with bare fingers. Always use a clean, dry, lint-free cloth.

NOTICE:



The connection pins of the HID lamps have different diameters. Take care that diameters match when installing the new HID lamps.



- ⇒ Hold the new HID lamp fast using a clean and soft, lintfree cloth and put into the lampholder.

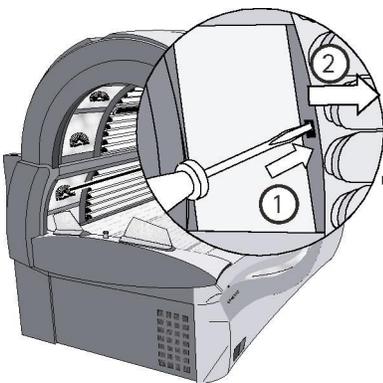


CAUTION!

Function of the facial cassettes depends on installing the correct facial filters
Only use original facial filters for replacement supplied by Advanced UV Light .

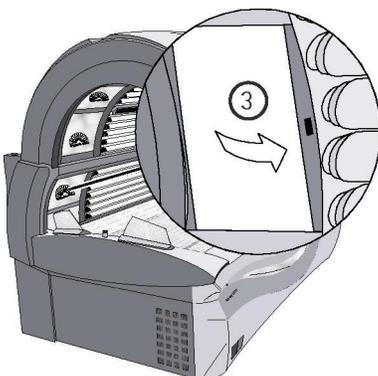
Installation of facial filter

- ⇒ Replace defective facial filter by a new one.



- Clean filter with a soft leather cloth slightly damped with glass cleaner or clear water.

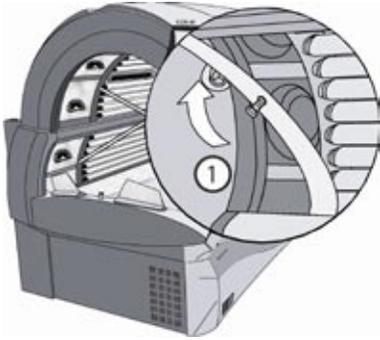
- ⇒ Position the filter in such a way that the logo, "Original Dr. Müller" points towards you.



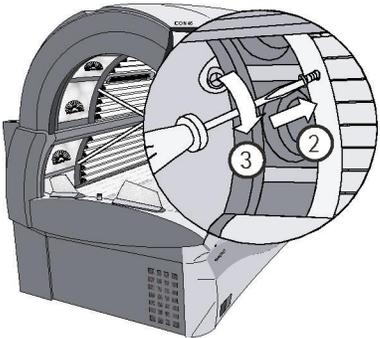
- ⇒ Take a screwdriver and push the bracket (1) to the footend side (2).
 - Push the filter carefully backwards against the resistance from the microswitch.

- ⇒ Let the facial filter snap into the facial filter frame.

Assembly of cover profile



⇒ Take the cover profile and fit it into position at the place of assembly (1).



⇒ Fasten the cover profile with the quick connections. (2) (3)

⇒ Assemble the top canopy acrylic as described in the chapter ***Replacement of top canopy acrylic..***

⇒ Assemble the rear column acrylic as described in the chapter, ***Assembly of rear column acrylic***

Replacement of dust filter mats

The dust filter mats must be cleaned every 50 hours or earlier depending ambient conditions.

After 500 hours the dust filter mats need to be replaced, or earlier pending ambient conditions .

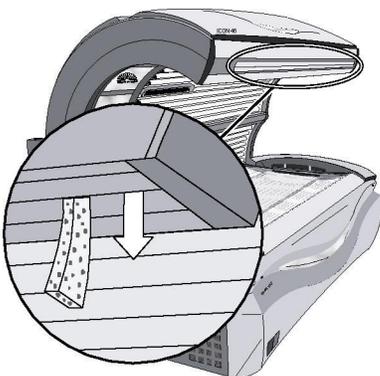


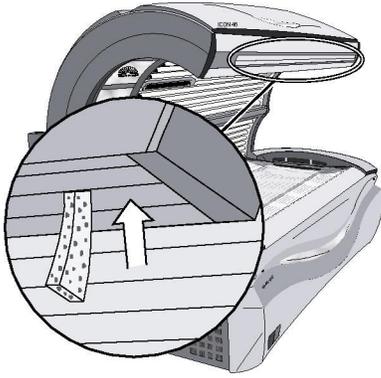
CAUTION! Risk of damage to the environment!

Dispose of dust filter mats in compliance with applicable environmental standards and regulations.

Dust filter mats top canopy

At the top canopy, there are two dust filter mats between the two front top profile grooves.





Cleaning the dust filter mat:

- Push the top canopy open.
- Vacuum the dust with a vacuum cleaner.

⇒ Replacement of dust filter mat:

- Push the top canopy open.
- Pull out the dust filters.

⇒ Push the new dust filter into the groove between the two top front profile grooves.

⇒ Dispose of used dust filters in compliance with applicable environmental standards and regulations.

Dust Filter mat sunbed

At the sunbed, the dust filters sit in the headend and footend sunbed bench supports. The filter mats are pushed between two grids. The inmost grid can be removed.

⇒ Cleaning of dust filter:

- Vacuum the dust with a vacuum cleaner.

⇒ Repeat the same procedure at the other side.

⇒ Replacement of filters:

- Disconnect the unit from main supply with the mains disconnection switch and secure with lock and key against accidental reconnection.
- Get a soft support ready for storage of the front cover.
- Loosen the two screws at the front cover.
- Slightly lift the front cover and pull the holding brackets out of the slots in the bench supports.
- Store the front cover on a soft support.
- Lift the inmost grid for about 5".
- Pull out the grid with the dust filter mat in it.
- Remove the used filter mat.
- Put in the new filter mat.
- Reassemble the grid with the filter mat in it.

⇒ Repeat the same procedure at the other side.

⇒ Reassemble front cover again.

⇒ Put the holding brackets back into the slots at the bench supports.

⇒ Push the front cover against the sunbed bench and tighten with screws.

⇒ Dispose of used dust filter mats in compliance with applicable environmental standards and regulations.

Replacement of backlighting lamps

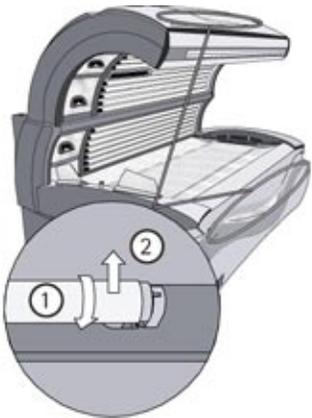
The lamps for the backlighting must be replaced whenever they become defective or fail.

Backlighting sunbed bench

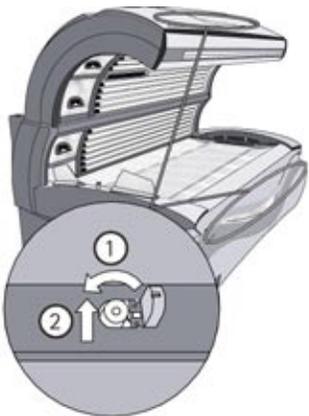
The backlighting lamp for the backlighting of the sunbed is installed behind the front cover. To replace the lamp the front cover must be removed.

Proceed as follows:

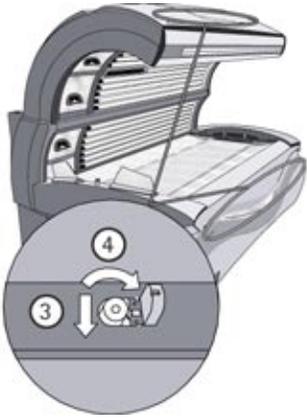
- ⇒ Disconnect the unit from the mains supply with the mains disconnection switch and secure with lock and key against accidental reconnection.
- ⇒ Get a soft support ready for storage of the front cover.
- ⇒ Loosen the two screws at the front cover.
- ⇒ Lightly lift the front cover.
- ⇒ Pull the brackets out of the slots in the bench.
- ⇒ Store the front cover.



- ⇒ The backlighting lamp is now accessible and the lamp can be replaced.
- ⇒ Turn the backlighting lamp clockwise for about 90° (1.).
- ⇒ Take the backlighting lamp out of the lampholder (2.).

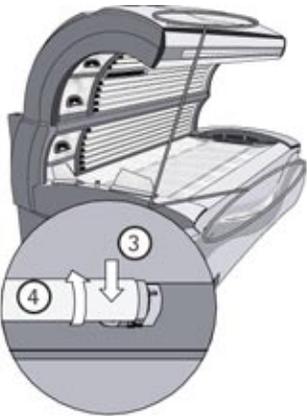


- ⇒ To replace the starter, turn starter counter clockwise for about 90° (3.).
- ⇒ Remove the starter (4.).



Se the new starter into the holder (1).

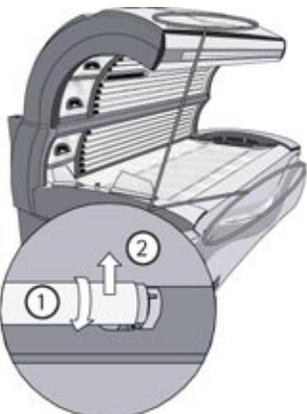
- ⇒ Push the new starter clockwise for about 90° (2).



- ⇒ If necessary, clean the backlighting lamp with a soft leather cloth.
- ⇒ Put the backlighting lamp into the lampholder (3).
- ⇒ Turn the backlighting lamp for about 90° counter clockwise (4). The backlighting lamp snaps into the lampholder. Take care that the stamp on the backlighting lamp point into the direction of the viewer.

- ⇒ Reassemble the front cover.
- ⇒ Put the brackets into the slots at the bench supports.
- ⇒ Push the front cover against the sunbed bench and tighten with screws.

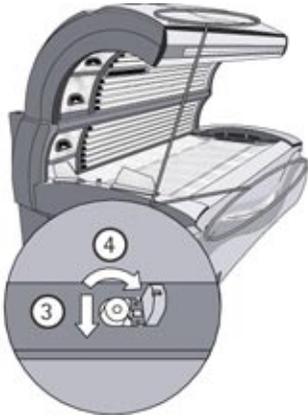
Replacing of backlighting lamps in the top canopy



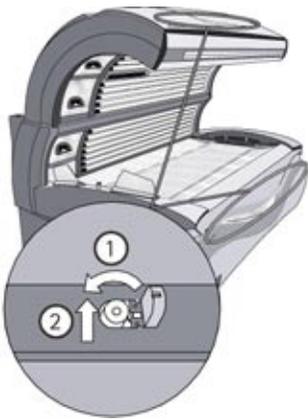
The top canopy contains a backlighting lamp which highlights the acrylic insert in the top canopy.

To replace the backlighting lamp and/or the starter, proceed as follows:

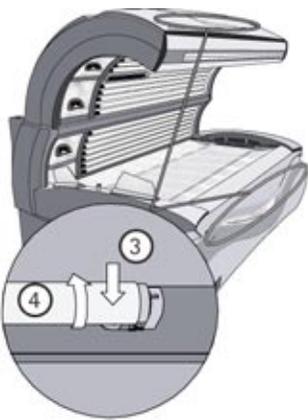
- ⇒ Disconnect the unit from the mains supply with the mains disconnection switch and secure with lock and key against reconnection.
- ⇒ Pull out the holding bolt .
- ⇒ Lift the top canopy cover and support it.



- ⇒ Turn the backlighting lamp for about 90° clockwise (1).
- ⇒ Take the lamp out of lampholder (2).



- ⇒ To replace the starter, turn starter for about 90° counter clockwise. (3).
- ⇒ Remove the starter (4).



- ⇒ If necessary, clean the backlighting lamp with a clean, soft leather cloth damped with glass cleaner or clean water.
- ⇒ Put the backlighting lamp into the lampholder (3).
- ⇒ Turn the backlighting lamp for about 90° counter clockwise (4).
 - The backlighting lamp snaps into the holder. Make sure that the stamp on the lamp points to the viewer.
- ⇒ Remove the top canopy support.
- ⇒ Push the top canopy cover into the front profile groove. Keep top canopy cover in this position.
- ⇒ Push holding bolts into position again.



CAUTION! Risk of danger to the environment!

Do not dispose of backlighting lamps with regular waste. Always dispose of backlighting lamps in compliance with applicable environmental standards and regulations.

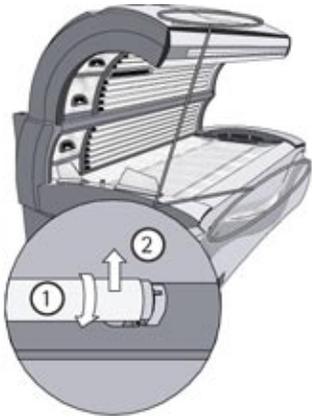
⇒ Dispose of lamps in compliance with applicable environmental standards and regulations.

Replacement of courtesy light in the sunbed



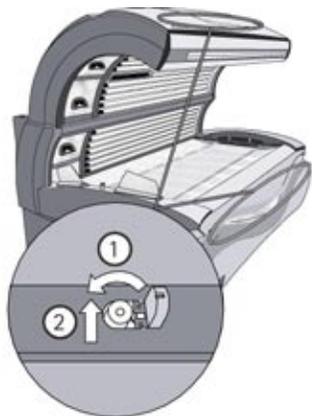
To replace the lamp and/or the starter for the interior courtesy lamp, proceed as follows:

- ⇒ Disconnect the unit from the mains supply with the mains disconnection switch and secure with lock and key against accidental reconnection.
- ⇒ Push the sunbed acrylic up (1).
- ⇒ Lift the acrylic support (2).

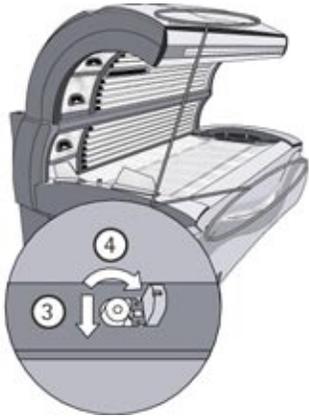


Lower the sunbed acrylic and let the sunbed acrylic rest on the acrylic support.

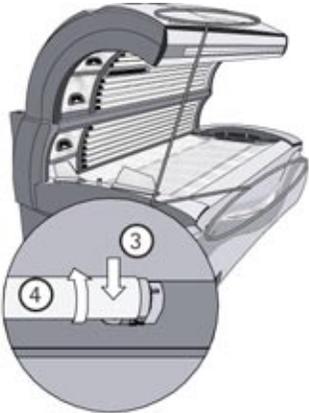
- ⇒ Turn the courtesy lamp clockwise for about 90° (1).
- ⇒ Take the courtesy lamp out of the lampholder (2).



- ⇒ Turn the starter for about 90° counter clockwise (3).
- ⇒ Remove the starter (4).



- ⇒ Put the new starter into the holder (1).
- ⇒ Turn the new starter for about 90° clockwise (2).



- ⇒ Set the new courtesy lamp into the lampholder (3).
- ⇒ Turn the new courtesy lamp for about 90° clockwise (4).
 - The new courtesy lamp snaps into the lampholder.



- ⇒ Lift the sunbed acrylic for about an inch.
- ⇒ Put the acrylic support back.
- ⇒ Let the sunbed acrylic down onto the sunbed.

Replacement of SunHaze cartridge in the SunHaze aroma system

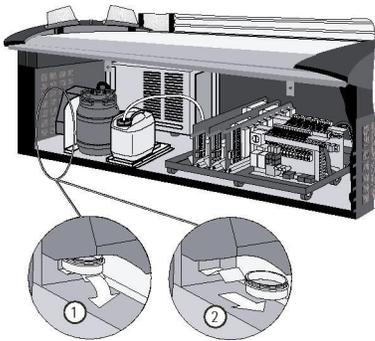


Warning!

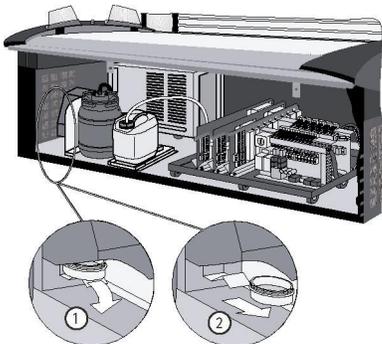
Avoid any direct contact with the aroma gel, especially on bare skin and eyes. In case of eye contact, rinse eyes for several minutes with clear water and consult an ophthalmologist immediately.

Replace the SunHaze cartridge, whenever the aroma loses intensity or after 3 months at the latest. Proceed as follows:

- ⇒ Disconnect the unit from the mains supply system with the mains disconnection switch and secure with lock and key against reconnection.
- ⇒ Remove front cover.
 - Get a soft support for storage of the front cover ready.
 - Loosen the two screws at the front cover.
 - Lift the front cover for about an inch.
 - Pull the brackets out of the slots at the sunbed supports.
 - Store the front cover.



- ⇒ Turn off the lid from the new SunHaze cartridge.
- ⇒ Push the bracket at the SunHaze container down and hold (1).
- ⇒ Take the used SunHaze container out of the SunHaze aroma system (2).



- ⇒ Push the bracket of the SunHaze system down and keep fast (1).
- ⇒ Put the new SunHaze cartridge into the SunHaze system (2).
- ⇒ Let the bracket go.
 - The bracket pushes the SunHaze cartridge into the SunHaze system.
- ⇒ Reassemble the front cover.
 - Put in the brackets into the slots of the sunbed supports.
 - Push the front cover against the sunbed bench and tighten screws.

Emptying the condensation water container

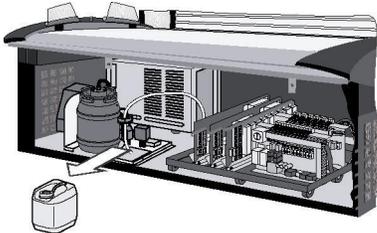


DANGER! RISK OF ELECTRIC SHOCK!

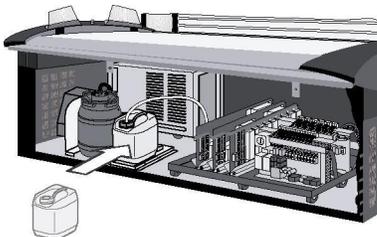
If a full condensation water spills over, water can get in contact with the electric components of the sunbed. Empty the condensation water container as soon as the Error message “E 07” appears on the display.

The condensation water container collects the condensation water from the AC. The condensation water container is located inside the sunbed close to the headend side.

- ⇒ Disconnect the unit from the mains supply with the mains disconnection switch and secure with lock and key against accidental reconnection.
- ⇒ Remove front cover.
 - Get a soft support for storage of the front cover ready.
 - Loosen the screws at the front cover.
 - Lift the front cover for about an inch.
 - Pull the brackets out of the slots at the sunbed supports.
 - Store the front cover.



- ⇒ Take the condensation water container out of the sunbed.
 - Take off the lid of the container.
- ⇒ Empty the condensation water container.
- ⇒ Screw the lid onto the container again.



- ⇒ Put the condensation water into the holding in such a way that the container touches the level sensor (1).
- ⇒ Reassemble the front cover.
 - Put the brackets into the slots of the sunbed supports.
 - Push the front cover against the sunbed bench and tighten screws.

Replacement of UV-lamp in the SunFresh container and refilling SunFresh container



DANGER! DANGEROUS RADIATION

The UV lamp in the SunFresh container uses UV-C radiation which can cause immediate genetic changes and skin and eye damage after short exposure. The UV-lamp for the water purification is only to be operated within the closed SunFresh container. Use only replacement lamps and containers for the SunFresh system supplied Advanced UV Light, specifically suited for this application. Observe safety instructions and warning notices attached to the SunFresh system.



WARNING! RISK OF POISONING!

The UV lamp in the water purification system contains mercury. If the purification system breaks, suck up the mercury with a suitable mercury pump with active charcoal and make sure that the room is well ventilated. Diligently observe all hygienic regulations. Dispose of UV-C lamp in compliance with applicable environmental standards and regulations.

Observe safety instructions and warning notices attached to the SunFresh system.

Inside the SunFresh container, is a water purification system with a UV-C lamp, which keeps the water in the container germ-free.

The purification unit with the lamp must be replaced after 6,000 operating hours or earlier, if necessary.



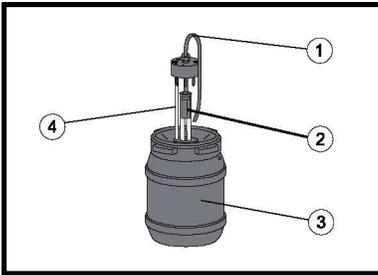
CAUTION!

The UV-lamp in the SunFresh system can get damaged when touched with bare hands. Do not touch the UV-lamp. Only authorized service personnel is allowed to replace the SunFresh purification system.

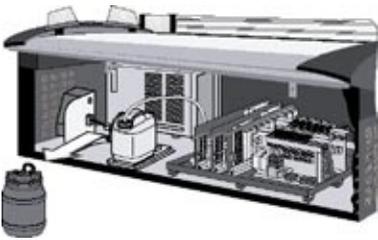
The water level of the SunFresh container is controlled by a sensor. If the minimum water level is reached, the display shows the error message "E 06" which indicates that the water needs to be refilled. Proceed as follows:

- ⇒ Disconnect the unit from the mains supply with the mains disconnection switch and secure with lock and key against accidental reconnection.
- ⇒ Remove the front cover.
 - Get a soft support ready for storage of the front cover.
 - Loosen the screws of the front cover.
 - Lift the front cover for a few centimeters.
 - Pull out the brackets out of the slots at the bench supports.
 - Store the front cover.

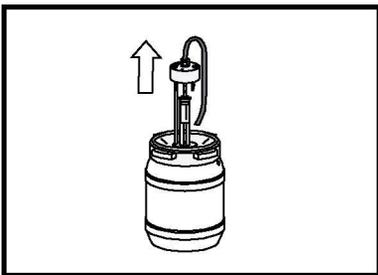
Survey purification system:



- 1 Supply cable
- 2 UV-lamp
- 3 SunFresh-container
- 4 Plunge pipe



- ⇒ Pull the supply cable out of the socket.
- ⇒ Pull the hoses out of the container.
 - Store the hoses clean and dust-free.
- ⇒ Take the SunFresh container from the assembly plate.

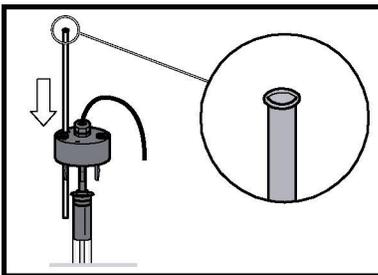


- ⇒ Take out the purification unit.
- ⇒ Pull the plunge pipe out of the lid of the SunFresh container.
 - Store the plunge pipe clean and dust-free.

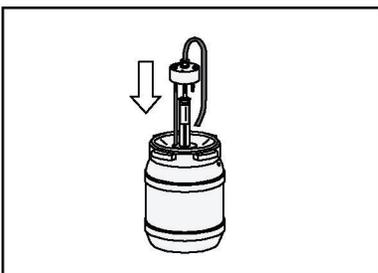


CAUTION!

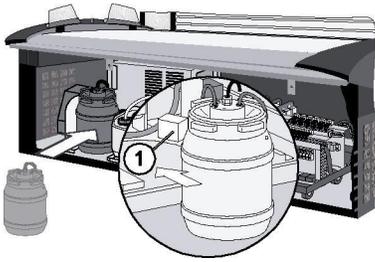
The function of the SunFresh system can be affected.
Use only distilled water for refill!



- ⇒ If necessary, fill up the container with distilled water. Fill up to the point where the straight wall of the containers ends and the upper convex swell begins.
- ⇒ Put the plunge pipe into the lid of the purification unit.



- ⇒ Put the new purification unit into the SunFresh-container.



- ⇒ Position the SunFresh container in such a way into the holder that it touches the sensor (1).

- ⇒ Connect the supply cable to the electrical connection socket for the SunFresh system on the electric ballast tray.
- ⇒ Reassemble the front cover.
 - Put the brackets of the front cover into the slots of the sunbed supports.
 - Push the front cover against the sunbed bench and tighten screws.

Cleaning



RISK OF ELECTRIC SHOCK!

Disconnect the unit from the mains supply with the mains disconnection switch prior to any cleaning work. Secure disconnection switch with lock and key against accidental reconnection.



CAUTION!

Cleaning solutions which contain alcohol or etheric oil can damage the unit. Never use abrasive or corrosive materials for cleaning.

Acrylics

The sunbed, rear column and and top canopy acrylic must be cleaned after each use.

- ⇒ Spray the acrylics with a suitable acrylic cleaner.
- ⇒ Wipe dry with a clean, soft, lint-free cloth.

Covers of sunbed and top canopy

- ⇒ If necessary, clean the surfaces of the sunbed and top canopy covers with a soft leather cloth, slightly dampened with clear water
- ⇒ Wipe dry with a clean, soft, lint-free cloth.

Lamps

- ⇒ If necessary, clean lamps with a soft leather cloth, slightly dampened with glass cleaner or clear water.

HID lamps

- ⇒ If necessary, clean lamps with a soft leather cloth, slightly dampened with glass cleaner or clear water.

Facial filters

- ⇒ If necessary, clean lamps with a soft leather cloth, slightly dampened with glass cleaner or clear water.

Disassembly

To transport the unit to a different location, the unit needs to be disassembled.

Four (4) persons are necessary to disassemble and transport the unit.



DANGER

HIGH VOLTAGE!

Disconnect the unit from the mains supply with the mains disconnection switch prior to performing any disassembly work. Secure with lock and key against accidental reconnection.



DANGER

INCORRECT DISASSEMBLY!

Incorrectly performed disassembly work can cause serious and fatal injuries. Only authorized service personnel and certified electricians are allowed to perform disassembly work.



CAUTION!

The sunbed components can get easily scratched. Do not kick against components. Do not scratch or damage surfaces, for instance with tools.



WARNING

HEAVY LOAD!

Carrying the heavy sunbed components can cause overstrain and health risks. Always carry the heavy sunbed components with four(4) persons.

- ⇒ Disassembly unit as described in the chapter **Disassembly**.
- ⇒ Transport the unit as described in the chapter **Transport**.

Storage

If you do not want to operate the unit for an extended period of time, the unit should be stored in a dry, frost-free space, suitably protected against dust.

- ⇒ Disconnect the unit from the mains supply with the mains disconnection switch. Secure with lock and key against accidental or unauthorized reconnection.
- ⇒ Cover the unit with suitable material to protect against dust and dirt.

Re-operation

- ⇒ If you want to re-operate the unit after an extended rest period, remove the cover.
- ⇒ Clean the unit thoroughly.
- ⇒ Remove the lock and key and reconnect the unit to the mains supply system.
- ⇒ Perform daily check-up as described in the chapter ***Daily check-up***.

Troubleshooting



CAUTION!

Only authorized service personnel is allowed to perform repair work!
Operating staff is only allowed to remove such malfunctions which are obviously caused by incorrect operating!



DANGER ELECTRIC SHOCK!

Prior to performing any repair work, secure the unit against accidental reconnection.

- ⇒ Put the mains disconnection switch into position “0”.
- ⇒ Put the lock into the openings of the switch.
- ⇒ Close the lock.

Error messages

Error code	Possible cause and correction
E01	Wind-flag does not turn on Check wind-flag and windflag terminal.
E02	Facial filter defective or missing. Replace or assemble facial filter.
E03	Sunbed acrylic open. Close sunbed acrylic.
E04	Front cover open. (not assigned on all units) Check front cover for correct fit.
E05	Emergency stop button activated (optional). Unlock emergency stop button.
E06	SunFresh container empty. (optional) Refill SunFresh container with distilled water.
E07	Condensation water container full. (optional) Empty the condensation water container
E08	Communication error. Check cable/terminal to the control panel.

Malfunctions during operation

Malfunction	Possible cause and correction
Equipment does not start when control device is activated.	No supply voltage. Check fusage and FI-protection switch.
UV-lamps are flickering.	Starter defective. Replace starter.
Equipment gets too hot.	Ventilation in the room (fresh air supply and/exhaust air disposal) is not sufficient. Check air openings and if necessary remove blockage.
One or more UV lamps in the top canopy or sunbed do not light up.	UV-lamps not correctly installed into the lapholders. Check installation of UV-lamps.
	UV-lamp defective. Replace UV -lamp.
One or more HID lamps do not light up.	HID lamp defective. Replace HID lamp.
	Igntor for HID lamp defective. Replace ignitor.

Disposal

For final disposal of the unit, the unit must be properly disassembled.

When disposing the AC unit, take care that the cooling liquid is collected separately and disposed of in compliance with applicable environmental standards and regulations.

All components of the unit need to be sorted and re-cycled.

Dispose of the unit in compliance with applicable environmental standards and regulations.

Contact to manufacturer

Advanced UV Light GmbH

Ruhrtalstraße 85–93

D–45239 Essen

Phone: 0049 201 / 8 49 12 - 0

Fax: 0049 201 / 8 49 12 - 55

E-Mail: info@auvl.de

Internet: www.auvl.de

Declaration of conformity

Advanced UV Light, Ruhrtalstraße 85-93, D–45239 Essen herewith declares that the product is in conformity with applicable safety standards and regulations. according to EC standards.

Unit/model type: High-performance sunbed model ICON46

Essen,

Standards

The high-performance sunbed model type ICON46 is in compliance with the following standards and regulations::

Applicable EC-directives:

- EG-Low-voltage directive 73/23/EWG
- EMV-directive 89/336/EMV

Applied harmonized standards:

- DIN EN 60335-2-27
- DIN 5050

Warranty

The warranty terms for this product by Advanced UV Light comply with the current legal provisions at time of purchase.

